UNIVERSITY OF MASSACHUSETTS
LIBRARY

Archives

Digitized by the Internet Archive
in 2011 with funding from
Boston Library Consortium Member Libraries

http://www.archive.org/details/universityofmass68692univ

ANNUAL REPORT

OFFICE OF ADMISSIONS AND RECORDS

JULY 1, 1968 - JUNE 30, 1969

LIBRARY
UNIVERSITY OF
MASSACHUSETTS
AMHERST, MASS.

1. Expenditures and Appropriations

Purpose	Expenditures 1966-1967	Expenditures 1967-1968	Allotment 1968-1969
01 Salaries, Permanent	----	----	----
02 Salaries, Other	----	----	----
03 Services, Non-Empl.	14,700.68	30,273.88	26,000.00
10 Travel	3,439.71	2,874.65	2,400.00
11 Advert. & Print	4,761.05	5,991.51	6,150.00
12 Maint. & Repro.	599.32	595.65	650.00
13 Special Supplies	14,719.92	14,718.30	14,000.00
14 Office & Admin.	10,288.98	10,888.20	7,550.00
15 Equip.	373.00	1,602.00	460.00
16 Rentals	6,550.00	5,741.60	7,800.00
Totals	55,432.66	72,685.79	65,010.00

2. Personnel

	1966-67	1967-68	1968-69
Dean of Admissions & Records	1	1	1
Associate Dean of Admissions	3	3	3
Asst. Dean of Admissions	0	0	1
Registrar	1	1	1
Staff Assistant (Recorder)	1	1	1
Staff Assistant (Asst. to Registrar)	1	1	0
Staff Assistant (Admissions)	2	2	2
Principal Clerk	0	1	1
Head Clerk	1	1	1
Senior Clerk-Steno	2	1	1
Senior Clerk-Typist	3	3	3
Junior Clerk-Steno	7	7	7
Junior Clerk-Typist	9	10	10
Statistical Machine Operator	1	1	1

3. Organization of Office of Admissions and Records

Dean of Admissions and Records - 1
Associate Dean of Admissions - 3
Assistant Dean of Admissions - 1
Registrar - 1
Staff Assistant (Recorder) - 1
Staff Assistant (Admissions) - 2
Head Clerk - 1
Principal Clerk - 1
Senior Clerk-Steno - 1
Senior Clerk-Typist - 3
Junior Clerk-Typist - 10
Junior Clerk-Steno - 7
Statistical Machine Operator - 1

ANNUAL REPORT

of the

BOARD OF ADMISSIONS AND RECORDS COMMITTEE

Presented by

William D. Tunis, Chairman

at the

142nd Meeting of the Faculty Senate

May 1, 1969

Committee Membership

G. Gordon* E	College of Arts and Sciences
A.F. Barber	School of Physical Education
Mrs. R.C. Boicourt	School of Home Economics
G.A. Cannon	College of Arts and Sciences
P.L. Edgecomb	School of Education
D.R. Forsyth	Counseling and Guidance Office
R.W. Gage	Health Service
V.P. Helming	College of Arts and Sciences
F.P. Jeffrey*	College of Agriculture
L.A. Johnson	School of Business Administration
J.S. Marcus	School of Engineering
Miss J.E. Nicholson	School of Nursing
H.F. Steeper	College of Arts and Sciences
R.O. Ulin*	School of Education
R.D. Jones, Secretary E	Office of Admissions and Records
W.D. Tunis, Chairman E	Office of Admissions and Records

* Elected member of the Faculty Senate
E Ex Oficcio

I A. Summary of activities of the Board of Admissions and Records Student Petitions

Petitions	Granted	Denied
Readmission	49	91
Senior credits in absentia	4	0
Waiver of a graduation requirement	12	5
Permission to graduate with cumulative average under cutting point of former class	1	1
Waiver of 10 semester rule	18	2
Request for graduation with honors with less than 60 credits in residence	1	1
Waiver of entrance requirement	1	0
Request for change of grade	0	2
Request for transfer credit (D grade)	0	2

B. General policies voted or studied by the Board of Admissions and Records

1. Credit by Special Examination (approved by Faculty Senate - Spring 1968).

2. Review of grading system. (Report presented to Faculty Senate)

3. Review of the 3% limit on students admitted with high school deficiences. (Preliminary Report presented to Faculty Senate)

4. A study on the possibility of expanding student exchange programs with other States. (Preliminary Report presented to the Faculty Senate)

1. ADMISSIONS

A. Admissions Data Class 1971 and Trends

1. Total Freshman Completed Applications

	Men	Women	Total
Sept. 1958	3,547	1,861	5,408
Sept. 1959	3,286	1,876	5,162
Sept. 1960	3,668	2,271	5,939
Sept. 1961	4,029	2,492	6,521
Sept. 1962	4,271	2,659	6,930
Sept. 1963	4,408	3,139	7,547
Sept. 1964	6,681	5,188	11,867
Sept. 1965	6,306	5,493	11,799
Sept. 1966	8,237	6,597	14,834
Sept. 1967	9,669	7,679	17,348
Sept. 1968	10,091	8,255	18,346

2. Freshman Students Accepted and Enrolled

	Men	Women	Total
Sept. 1958	828	538	1,366
Sept. 1959	1,135	703	1,838
Sept. 1960	1,009	716	1,725
Sept. 1961	1,229	689	1,918
Sept. 1962	1,155	767	1,922
Sept. 1963	1,287	999	2,286
Sept. 1964	1,318	1,274	2,592
Sept. 1965	1,407	1,215	2,622
Sept. 1966	1,599	1,355	2,954
Sept. 1967	1,715	1,325	3,040
Sept. 1968	1,701	1,406	3,107

3. New Freshmen (not including transfer, former students or those demoted)

Class	Selected		Paid		Paid and Withdrawn		Paid less those Withdrawn	
	M	W	M	W	M	W	M	W
1964	1728	1202	1232	895	280	189	952	706
1965	2178	1171	1444	880	298	198	1146	682
1966	2127	1318	1400	1007	304	249	1096	758
1967	2421	1757	1519	1287	318	281	1201	997
1968	2373	2132	1516	1670	395	340	1121	1330
1969	2762	2214	1822	1545	486	346	1336	1199
1970	3790	2961	2144	1744	515	389	1599	1355
1971	4130	3069	2146	1645	504	340	1642	1305
1972	4346	3330	2221	1771	520	365	1701	1406

4. Per cent of loss based upon the number selected

Class	Men	Women
1962	42	37
1963	40.6	43.3
1964	44.9	41.3
1965	47.4	41.8
1966	48.9	42.4
1967	50.4	43.2
1968	52.8	37.7
1969	51.6	45.8
1970	57.8	54.2
1971	60.2	57.5
1972	60.9	57.8

5. Summary of New Freshmen Applications

   a. Total Completed Applications 18,346
   b. Total Selected from Applications 7,876 (42.3%)
   c. Total Matriculated of those Selected 3,107 (39.4%)

6. Profile Class of 1972

   a. College Entrance Examination Board Scholastic Aptitude Test Scores

      1. Verbal

	Total		Males		Females	
	N	%	N	%	N	%
700-Up	84	2.8	38	2.3	46	3.5
650-699	208	7.0	96	5.8	112	8.5
600-649	408	13.7	196	11.9	212	16.0
550-599	659	22.2	324	19.7	335	25.3
500-549	699	23.5	407	24.8	292	22.0
450-499	559	18.8	332	20.2	227	17.1
400-449	250	8.4	172	10.5	78	5.9
350-399	86	2.9	68	4.1	18	1.4
300-349	14	0.5	9	0.5	5	0.4
250-299	1	0.1	1	0.1	0	0.0
Total	2968		1643		1325	

      2. Numerical

	Total		Males		Females	
	N	%	N	%	N	%
700-Up	140	4.7	92	5.6	48	3.6
650-699	364	12.3	253	15.4	111	8.4
600-649	621	20.9	367	22.3	254	19.2
550-599	726	24.5	383	23.3	343	25.9
500-549	631	21.3	326	19.8	305	23.0
450-499	347	11.7	156	9.5	191	14.4
400-449	109	3.7	50	3.0	59	4.5
350-399	28	0.9	14	0.9	14	1.1
300-349	2	0.1	2	0.1	0	0.0
250-299	0	0.0	0	0.0	0	0.0
Total	2968		1643		1325	

3. Comparison Median Scores Classes of 1967, 1968, 1969, 1970, 1971 and 1972

Verbal						Numerical					
1967	1968	1969	1970*	1971*	1972*	1967	1968	1969	1970*	1971*	1972*
542	558	567	547	534	539	571	582	593	577	565	574

* Adjusted Scores. For previous classes the high scores were used in determining median scores.

b. High School Rank (Class of 1971)

	Total		Males		Females	
	N	%	N	%	N	%
1-5%	523	17.7	150	9.2	373	28.2
6-10%	575	19.4	208	12.7	367	27.7
11-15%	518	17.5	255	15.6	263	19.9
16-20%	372	12.6	241	14.8	131	9.9
21-25%	304	10.3	213	13.0	91	6.9
26-35%	333	11.3	286	17.5	47	3.5
36-50%	193	6.5	164	10.0	29	2.2
51-75%	101	3.4	83	5.1	18	1.4
76-99%	38	1.3	33	2.0	5	0.4
Total	2957		1633		1324	

c. Medians - Class of 1972 (Special Summer - January)

	Total	Males	Females
CEEB - Verbal	509	512	506
CEEB - Mathematics	542	558	521

B. Admissions Data Transfers September 1968 and Trends

1. Completed Applications and Trends

	Completed Applications		Accepted and Enrolled	
	Men	Women	Men	Women
Sept. 1959	518	152	99	17
Sept. 1960	499	144	77	22
Sept. 1961	677	201	172	23
Sept. 1962	784	270	173	33
Sept. 1963	854	668	195	79
Sept. 1964	1006	452	233	114
Sept. 1965	1332	704	196	87
Sept. 1966	1582	874	451	231
Sept. 1967	1895	1115	472	239
Sept. 1968	1967	1309	514	318

2. Transfers Accepted

	1969	1970	1971	1972	Total
Men	2	261	226	25	514
Women	0	237	77	4	318
Total	2	498	303	29	832

C. Admissions Data Former Students September 1968 and Trends

	Men	Women
Former students who re-entered Sept. 1959	68	16
Former students who re-entered Sept. 1960	83	14
Former students who re-entered Sept. 1961	68	25
Former students who re-entered Sept. 1962	106	32
Former students who re-entered Sept. 1963	127	21
Former students who re-entered Sept. 1964	205	45
Former students who re-entered Sept. 1965	147	55
Former students who re-entered Sept. 1966	209	135
Former students who re-entered Sept. 1967	218	132
Former students who re-entered Sept. 1968	251	113

D. Admissions Data (Transfers and Re-Entering) Spring Semester 1967-68

	1968	1969	1970	1971	1972	Total
Men	18	34	103	142	14	311
Women	7	32	61	55	4	159
Total	25	66	164	197	18	470

New Freshmen		20
Transfers		
	Class 1968	0
	Class 1969	4
	Class 1970	83
	Class 1971	34
	Class 1972	4
Former Students Returning		
	Class 1968	25
	Class 1969	62
	Class 1970	81
	Class 1971	163
	Class 1972	14

Total New Students Spring Semester 490

2. UNDERGRADUATE REGISTRATION AND TRENDS

A. Undergraduate Registration September 1968

Class	1969		1970		1971		1972		Total		
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Total
Agriculture	203	12	191	22	194	18	107	15	695	67	762
Arts and Sciences	850	659	951	787	942	786	985	898	3728	3130	6858
Business Administration	349	21	333	28	369	25	255	16	1306	90	1396
Education	4	258	13	287	4	216	10	180	31	941	972
Engineering	248	2	200	2	241	4	315	6	1004	14	1018
Home Economics	2	109	---	137	---	146	1	106	3	498	501
Nursing	---	58	1	82	1	88	1	82	3	310	313
Physical Education	83	63	83	74	123	84	97	85	386	306	692
Public Health	5	23	9	35	9	16	2	27	25	101	126
TOTAL	1744	1205	1781	1454	1883	1383	1773	1415	7181	5457	12,638
TOTAL BY CLASSES	2949		3235		3266		3188		12,638		
Non-Classified									16	95	111
Specials									21	77	98
TOTAL UNDERGRADUATES									7218	5629	12,847

B. Undergraduate Residence September 1968

Massachusetts	11,589
Other States	1,013
Foreign	36
Total	12,638

C. Enrollment Trends - Total Undergraduates

Year	Men	Women	Total
1951	1934	1021	2955
1952	2032	1164	3196
1953	2267	1220	3487
1954	2479	1224	3703
1955	2459	1169	3628
1956	2581	1212	3793
1957	2650	1341	3991
1958	2772	1495	4267
1959	3090	1765	4855
1960	3257	2000	5257
1961	3549	2135	5684
1962	3759	2381	6140
1963	4125	2757	6882
1964	4617	3360	7977
1965	5049	3886	8935
1966	5816	4615	10,431
1967	6503	5071	11,574
1968	7181	5457	12,638

D. Enrollment Trends - Freshman Men and Women

Class	Men	Women	Total
1957	754	416	1170
1958	810	372	1182
1959	698	390	1088
1960	723	425	1148
1961	730	536	1266
1962	828	538	1366
1963	1135	703	1838
1964	1009	716	1725
1965	1229	689	1918
1966	1155	767	1922
1967	1287	999	2286
1968	1318	1274	2592
1969	1407	1215	2622
1970	1599	1355	2954
1971	1715	1325	3040
1972	1773	1415	3188

E. Enrollment Trends - Freshman Enrollment by Schools

Class	Arts & Science	Engin.	Ed.	Bus. Adm.	Agric.	Home Econ.	Phys. Ed.	Nursing	Pub.Health
1957	577	277		146	83	64	23		
1958	543	314		148	98	55	24		
1959	519	295		93	86	52	20	23	
1960	588	309		107	61	40	18	25	
1961	607	309	90	116	55	45	23	21	
1962	694	300	80	125	69	35	38	25	
1963	987	321	127	173	92	37	63	39	
1964	972	317	117	115	80	25	62	37	
1965	1164	298	102	135	86	26	71	36	
1966	1168	268	116	133	93	37	65	42	
1967	1468	277	127	140	92	65	51	51	
1968	1656	303	167	132	86	72	75	69	32
1969	1553	275	158	178	116	97	138	68	25
1970	1777	278	171	195	162	102	140	89	52
1971	1770	278	151	248	155	122	197	93	26
1972	1883	321	190	271	122	107	182	83	29

F. Undergraduate Registration - Spring Semester 1967-68

Class	Men	Women	Total
1968	1225	1004	2229
1969	1590	1208	2798
1970	1617	1339	2956
1971	1877	1468	3345
1972	28	10	38
Total	6337	5029	11,366
Non-Classified	23	95	116
Specials	30	72	102

G. Summer School Enrollment 1968

	MAIN SESSION		MAIN SESSION		SWING SHIFT		SHORT SESSIONS	
	M	F	M	F	M	F	M	F
1968	158	110	101	60	-	-	3	5
1969	337	263	312	230	-	-	60	39
1970	253	209	230	184	-	-	9	20
1971	162	110	171	101	-	-	29	2
1972	42	23	55	31	186	165	7	5
NC	7	35	7	27	-	-	-	-
SP	9	22	8	20	-	-	4	1
SS	218	179	209	172	-	-	15	30
TOTAL UNDER-GRAD	1186	951	1093	825	186	165	127	102
	2137		1918		351		229	
GRADUATE	800	407	578	287	-	-	236	121
	1207		865		-		357	
TOTALS	1986	1358	1671	1112	186	165	363	223
GRAND TOTAL	3344		2783		351		586	

SUMMER TOTAL				
	Men	4206	Undergraduate	4635
	Women	2858	Graduate	2429
	Total	7064	Total	7064

H. Distribution of Undergraduate Enrollment by Majors - September 1968

College of Arts and Sciences

Curriculum	1969		1970		1971		1972		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	
CA S	-	-	4	2	89	64	517	442	610	508	1118
Astron	5	-	7	-	6	1	7	1	25	2	27
Micbio	7	5	17	5	8	3	8	4	40	17	57
Botany	3	1	9	2	5	7	1	3	18	13	31
Chem	33	8	37	13	30	11	42	11	142	43	185
Biochm	1	-	5	1	5	-	9	3	20	4	24
Econ	53	2	67	5	22	1	9	1	151	9	160
Engl	109	207	116	218	105	173	46	64	376	662	1038
Journ	-	-	1	-	-	-	-	-	1	-	1
Js Eng	10	7	17	9	15	9	6	6	48	31	79
Js Int	4	1	2	3	1	3	2	6	9	13	22
Geol	28	1	22	2	28	5	8	-	86	8	94
Art	9	27	11	23	7	40	6	16	33	106	139
BFA	8	19	7	22	2	18	-	-	17	59	76
German	6	12	4	13	4	12	3	6	17	43	60
Hist	125	51	133	65	120	59	54	32	432	207	639
Govt	128	34	105	41	105	19	49	20	387	114	501
Math	49	38	59	40	78	70	60	72	246	220	466
Music	1	1	1	2	2	3	6	13	10	19	29
B Mus	2	2	7	7	10	6	-	-	19	15	34
Phil	13	4	14	4	11	2	5	1	43	11	54
Physic	12	2	13	2	27	-	20	1	72	5	77
Psych	81	49	99	67	78	73	43	49	301	238	539
Clsics	-	1	1	1	-	2	2	-	3	4	7
French	8	35	7	40	6	44	5	43	26	162	188
Span	4	7	6	14	6	14	2	12	18	47	65
Russ	4	5	3	4	4	6	1	3	12	18	30
Latin	-	-	1	3	-	3	-	-	1	6	7
Sociol	42	75	50	95	25	67	13	33	130	270	400
Anth	14	10	5	9	15	8	3	8	37	35	72
Speech	-	2	5	7	6	9	3	12	14	30	44
Theatr	3	6	7	1	3	4	-	3	13	14	27
Masscm	5	-	4	-	7	-	-	-	16	-	16
Comdis	1	13	-	20	-	15	-	3	1	51	52
Rhetpa	1	-	2	1	1	-	-	-	4	1	5
Speduc	3	4	-	2	-	-	-	-	3	6	9
Zool	59	26	88	42	110	34	55	30	312	132	444
Premed	10	3	9	2	1	1	-	-	20	6	26
Prednt	8	-	6	-	-	-	-	-	14	-	14
Prevet	1	1	-	-	-	-	-	-	1	1	2
TOTAL	850	659	951	787	942	786	985	898	3728	3130	6858

College of Agriculture

Curriculum	1969		1970		1971		1972		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	
C Agr	-	-	1	-	3	-	44	8	48	8	56
A&F Ec	16	-	8	-	6	-	-	-	30	-	30
Fd Ec	1	-	-	-	-	-	-	-	1	-	1
Ag Eng	-	-	-	1	3	-	1	-	4	1	5
Plsoil	8	-	5	2	12	1	1	-	26	3	29
An Sci	15	4	9	13	17	10	2	4	43	31	74
Ent	6	2	2	-	-	-	-	-	8	2	10
Fd Sci	4	1	5	-	6	2	2	2	17	5	22
Htlmgt	44	2	31	1	35	2	11	-	121	5	126
Forest	33	-	24	-	29	-	14	1	100	1	101
Wildlf	30	1	36	1	29	1	23	-	118	3	121
Fish	8	1	17	-	14	2	2	-	41	3	44
WdTech	4	-	5	-	4	-	1	-	14	-	14
Ld Arc	25	1	34	-	23	-	3	-	85	1	86
Pk Adm	9	-	14	2	13	-	3	-	39	2	41
Envdes	-	-	-	1	-	-	-	-	-	1	1
Prevet	-	-	-	1	-	-	-	-	-	1	1
TOTAL	203	12	191	22	194	18	107	15	695	67	762

School of Business Administration

Curriculum	1969		1970		1971		1972		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	
SBA	39	-	88	10	355	24	252	16	734	50	784
Acctg	79	12	50	4	5	-	-	-	134	16	150
GB Fin	72	5	52	6	4	1	1	-	129	12	141
Mgt	88	1	80	2	3	-	2	-	173	3	176
Mktg	71	3	63	6	2	-	-	-	136	9	145
TOTAL	349	21	333	28	369	25	255	16	1306	90	1396

School of Engineering

Curriculum	1969		1970		1971		1972		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	
Engin	-	-	3	-	17	-	305	6	325	6	331
Ch E	33	2	21	-	25	1	-	-	79	3	82
C E	72	-	38	1	62	2	-	-	172	3	175
E E	52	-	51	-	63	1	9	-	175	1	176
I E	22	-	19	-	21	-	1	-	63	-	63
M&A E	69	-	68	1	53	-	-	-	190	1	191
TOTAL	248	2	200	2	241	4	315	6	1004	14	1018

School of Home Economics

Curriculum	1969		1970		1971		1972		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	
H Ec	2	109	-	137	-	146	1	106	3	498	501

School of Nursing

Curriculum	1969		1970		1971		1972		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	
Nurse	-	58	1	82	1	88	1	82	3	310	313

School of Physical Education

Curriculum	1969		1970		1971		1972		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	
Men PE	76	-	68	-	117	-	95	-	356	-	356
Wo PE	-	46	-	60	-	74	-	84	-	264	264
Rec	7	17	15	14	6	10	2	1	30	42	72
TOTAL	83	63	83	74	123	84	97	85	386	306	692

School of Education

Curriculum	1969		1970		1971		1972		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	
Educ	4	258	13	287	4	216	10	180	31	941	972

Department of Public Health

Curriculum	1969		1970		1971		1972		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	
Pub Hl	4	5	4	7	3	1	1	1	12	14	26
Medtec	1	18	5	28	6	15	1	26	13	87	100
TOTAL	5	23	9	35	9	16	2	27	25	101	126

I. Registration on Interchange of Students - Amherst, Mount Holyoke, Smith, and University of Massachusetts cooperating

1. Fall Semester 1967-68

From	Course	Number of Students
University to Amherst	Drama 31	1
	Greek 11	1
	History 48	1
	Latin 15	1
	Latin 41	2
	Music 43	1
	Religion 11	2
	Religions 13	1
	Religion 33	1
	Seminar (Classics	1
University to Smith	Art 207a	1
	Art 221a	1
	Art 257a	1
	Astronomy 122a	1
	Education 235a	1
	Education 345	1
	Education 347a	1
	Government 225a	1
	Government 232a	1
	Government 302	1
	Government 322	2
	History 285a	1
	History 381a	1
	Italian 337a	1
	Latin 111	1
	Religion 185	2
	Religion 274a	4
	Sociology 231a	1
University to Mt.Holyoke	Art 229	1
	Chemistry 101f	1
	Geography 311	1
	Greek 1	1
	Latin 313	1
	Physical Education 202	1
	Physical Education 301	1
	Physics 101f	1

From	Course	Number of Students
Amherst to University	Anthropology 360	1
	Anthropology 375	2
	Art 120	1
	Civil Engineering 230	1
	Civil Engineering 360	1
	Danish 101	1
	Economics 301	1
	English 346	1
	History 200	1
	Japanese 107	1
	Landscape Architecture 373	1
	Physics 705	2
	Russian 251	1
	Sociology 272	1
	Sociology 385	1
	Spanish 101	1
	Speech 223	1
	Zoology 135	1
	Zoology 246	1
	Zoology 521	1
	Zoology 660	1
Smith to University	Anthropology 369	1
	Anthropology 373	1
	Art 100	1
	Art 102	1
	Art 200	1
	Art 280	1
	Art 282	1
	English 337	1
	German 251	1
	Government 219	1
	Government 237	2
	Government 240	1
	History 303	1
	Home Economics 279	1
	Japanese 101	2
	Mathematics 251	1
	Philosophy 225	1
	Speech 225	4
	Speech 282	1
	Zoology 240	1

From	Course	Number of Students
Mt.Holyoke to University	Anthropology 373	1
	Art 280	1
	Astronomy 315	1
	Computer Science 131	1
	Computer Science 409	1
	Government 237	1
	Government 240	4
	Japanese 107	1
	Landscape Architecture 267	2
	Portugese 101	1
	Speech 225	1

2. Spring Semester 1967-68

University to Amherst	Anthroplogy 24	2
	Art 436	1
	Dramatic Arts 32	1
	English 70	1
	History 64	1
	Latin 16	1
	Latin 42	2
	Physics 58	1
	Psychology 28	1
	Religion 14	1
	Religion 16	1
University to Smith	Art 208b	2
	Chinese 111	1
	Chinese 212	2
	Chinese 333	1
	Education 324b	1
	Education 325	1
	Education 342b	1
	English 230b	1
	Government 222b	1
	Government 323b	1
	History 286b	1
	Latin 111	1
	Mathematics 236b	1
	Religion 185	1
	Religion 379b	1
	Sociology 22b	1
	Sociology 213b	1
	Sociology 330b	1
	Zoology 336b	1

From	Course	Number of Students
University to Mt.Holyoke	Classics 395	1
	Independent Work 395	1
	Latin 314s	1
	Physics 107	1
	Religion 262	1
Amherst to University	Art 122	1
	Art 222	1
	Art 230	1
	Art 260	1
	Art 280	1
	Art 291	2
	Comparative Literature 292	1
	Danish 130	1
	English 345	2
	Finance 386	1
	History 201	1
	History 332	1
	Japanese 140	1
	Landscape Architecture 374	1
	Physics 104	25
	Russian 272	1
	Speech 225	2
	Sociology 101	2
	Statistics 121	1
	Zoology 145	1
	Zoology 223	1
Smith to University	Art 100	1
	Art 200	1
	Art 230	4
	Art 280	2
	Astronomy 122	3
	Economics 267	2
	English 341	2
	Geography 150	1
	Government 392	1
	History 304	1
	Japanese 120	2
	Marketing 201	1
	Philosophy 125	1
	Philosophy 243	2
	Philosophy 751	2
	Philosophy 760	1
	Sociology 278	1
	Speech 225	4
	Zoology 225	1
	Zoology 240	1

From	Course	Number of Students
Mt.Holyoke to University	Anthropology 374	1
	Anthropology 376	1
	Art 200	1
	Chemistry 127	1
	Computer Science 122	1
	Economics 272	1
	Economics 267	3
	Government 241	4
	Portugese 120	1
	Psychology 263	1
	Psychology 275	1
	Psychology 331	1
	Russian 272	1
	Sociology 252	1
	Sociology 253	1
	Sociology 270	1
	Sociology 295	1
	Speech 225	1
	Wildlife Biology 262	1
	Zoology 135	

3. RECORDS

A. Withdrawals

1. Academic Dismissals - college year 1967-68
Scholastic Dismissals January 1968. Includes those dismissed but reinstated.

Class	Men	Women	Total
1968	18	1	19
1969	61	26	87
1970	117	26	143
1971	75	7	82
	271	60	331

Scholastic Dismissals June 1968. Includes those dismissed but reinstated.

Class	Men	Women	Total
1968	2	1	3
1969	56	12	68
1970	78	26	104
1971	190	67	257
1972	3	2	5
	329	108	437

2. Trend in academic dismissals for freshman year

Class	Number of dismissals in freshman year	Total enrollment Sept. of freshman year	Rate of dismissals in per cent
1957	103	1170	8.8
1958	172	1182	14.5
1959	129	1088	11.8
1960	144	1148	12.5
1961	167	1266	13.2
1962	166	1366	12.15
1963	270	1838	14.7
1964	315	1725	18.3
1965	406	1918	21.1
1966	312	1922	16.2
1967	297	2286	12.9
1968	338	2592	13.0
1968	356	2622	13.6
1970	406	2954	13.8
1971	339	3040	11.2

3. Scholastic Probations 1967-68

Class	Men	Women	Total
1968	12	1	13
1969	43	17	60
1970	60	19	79
1971	199	89	288
1972	1	0	1
	315	126	441

4. Summary of Withdrawals - college year 1967-68

a. Withdrawals during fall semester

Reasons	1968		1969		1970		1971		Spec		Totals
	M	F	M	F	M	F	M	F	M	F	
Difficulty Studies	1	1	2	2	1	0	3	0	0	0	10
Financial	1	2	0	0	1	0	0	0	0	0	4
Transfer	0	0	1	2	1	1	3	3	0	0	11
Discipline	0	0	0	0	0	0	1	0	0	0	1
Personal	16	9	25	14	26	17	19	22	8	8	164
Military	2	0	2	0	2	0	0	0	0	0	6
Health	0	2	3	3	4	7	7	2	0	2	30
Unknown	0	0	1	0	0	0	0	0	0	0	1
Marriage	0	1	0	3	0	4	0	3	0	0	11
Deceased	0	0	0	0	0	0	0	0	0	0	0
TOTALS	20	15	34	24	35	29	33	30	8	10	238

b. Withdrawals between the fall and spring semesters

Reasons	1968		1969		1970		1971		Totals
	M	F	M	F	M	F	M	F	
Difficulty Studies	1	0	0	0	0	0	0	0	1
Financial	0	1	1	2	3	0	2	1	10
Transfer	3	13	2	11	5	12	8	13	67
Discipline	0	0	0	0	0	0	0	0	0
Personal	1	0	2	8	0	7	0	3	21
Military	0	0	2	0	2	0	2	0	6
Health	0	1	1	0	0	0	0	0	2
Unknown	32	17	19	28	23	22	14	8	163
Marriage	0	2	0	4	1	3	3	3	16
Deceased	0	0	0	0	0	1	0	0	1
TOTALS	37	34	27	53	34	45	29	28	287

c. Withdrawals during spring semester

Reasons	1968		1969		1970		1971		1972		NC		Spec		Totals
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Difficulty Studies	0	0	4	2	2	1	0	2	0	0	0	0	0	0	11
Financial	1	0	2	3	3	1	2	0	0	0	0	0	0	1	13
Transfer	0	0	0	0	0	0	2	2	0	0	0	1	0	0	5
Discipline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Personal	4	0	14	6	13	14	31	16	2	0	1	4	1	3	109
Military	0	0	4	0	2	0	6	0	0	0	0	0	1	0	13
Health	2	2	4	1	3	1	1	2	0	0	0	0	0	0	16
Unknown	0	1	0	0	0	0	0	0	0	0	0	1	0	0	2
Marriage	0	1	0	4	0	1	0	5	0	0	0	0	0	0	11
Deceased	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	7	4	28	16	23	18	42	25	2	0	1	6	2	4	179

d. Withdrawals between end of spring semester and September 1968

Reasons	1969		1970		1971		1972		Totals
	M	F	M	F	M	F	M	F	
Difficulty Studies	2	0	0	0	0	0	1	0	3
Financial	2	0	4	4	3	4	0	0	17
Transfer	5	6	17	18	14	20	1	1	82
Discipline	0	0	0	0	0	0	0	0	0
Personal	4	9	2	13	3	10	4	3	48
Military	5	1	4	0	5	0	0	0	15
Health	0	0	0	1	1	0	0	0	2
Unknown	37	52	42	60	64	70	10	8	343
Marriage	0	6	0	2	0	10	0	0	18
Deceased	0	0	0	0	0	0	0	0	0
TOTALS	55	74	69	98	90	114	16	12	528

B. Class and University yearly grade point averages 1967-68

Class of 1968	Number of Students*	Average of Averages
Men	2447	2.555
Women	2071	2.823
Class	4518	2.678
Class of 1969		
Men	3394	2.331
Women	2476	2.560
Class	5870	2.428
Class of 1970		
Men	3255	2.151
Women	2664	2.445
Class	5919	2.283
Class of 1971		
Men	3524	2.063
Women	2736	2.359
Class	6260	2.192
Class of 1972		
Men	29	1.831
Women	10	2.030
Class	39	1.882
Total		
Men	12,649	2.252
Women	9957	2.528
University	22,606	2.374

* Two semesters enrollment added together

C. Bachelors Degrees awarded 1968. Students who received degrees in calendar year 1968 graduated as of the class of 1968.

School	February	June	September	Total
Arts and Science				
B.A.	100	740	166	1006
B.S.	21	183	34	238
B.F.A.	0	5	2	7
Agriculture				
B.S.	22	107	18	147
Business Administration				
B.B.A.	37	151	38	226
Engineering				
B.S. Ch. E.	6	23	2	31
B.S. C.E.	10	23	3	36
B.S. E.E.	3	35	2	40
B.S. M.E.	3	29	10	42
B.S. I.E.	5	6	0	11
Education				
B.A.	12	175	19	206
Home Economics				
B.A.	5	76	7	88
Nursing				
B.S.	0	37	0	37
Physical Education				
B.S.	10	57	9	76
Dept. Public Health	1	10	13	24
GRAND TOTAL	235	1652	321	2208

D. Transcripts of Records issued July 1, 1967 to June 30, 1968

Free Transcripts	9718
Paid Transcripts	18,043
Transcripts for other offices	21,809
TOTAL	49,570

COUNSELING CENTER

UNIVERSITY OF MASSACHUSETTS
Amherst, Massachusetts

A N N U A L R E P O R T

July, 1968 - June, 1969

Douglas R. Forsyth

Acting Director

June, 1969

ANNUAL REPORT

1969

Universities have traditionally had two major functions: the extension of knowledge and its dissemination. Recently, universities have assumed a central role in the utilization of knowledge to improve the human condition. The University Counseling Center exists to facilitate the educational process and support the functions of the University.

The ways in which the Counseling Center does this are many. The staff of the Center are involved in Counseling students who have problems that hinder their educational development; training graduate students of psychology and education in the process of counseling teaching graduate and undergraduate psychology and education courses; consulting with universities agencies to develop programs to facilitate the educational process; and conducting research on counseling process and outcome.

It is evident that the Counseling Center staff, through their numerous activities, fully support the goals and functions of this University.

GOALS AND OBJECTIVES

The general goal of the Student Counseling Center is to provide the University community with services which increase the probability that students utilize, profit from, and change through their experience here. This goal requires that we have positive impact on the total University as well as on the students who come to us for direct service. One broad, eventual aim is to assist in establishing the kind of environment within the University that would make much of the present function of the counseling service less necessary (e.g. dealing with a student's feelings of alienation from self and the University).

Specifically, the Center has goals in the following six areas:

1. Counseling: This continues to be our primary focus. It is designed to enable the student to learn more about himself and his interaction with significant portions of his world. It helps his growth toward being better prepared to deal effectively and creatively with future problems, feelings, decisions, issues and opportunities. It should be noted that responding to student requests for this individual service occupies the greater part of staff time, thus affecting the Center's time commitment to the other five areas discussed here.

2. Consulting: We provide professional consultation to other agencies and persons in the University and the greater community who wish assistance in working more effectively with students. This function is not solely problem solving and frequently deals with general matters in the area

of human behavior. As stated in the joint report of the American College Health Association and the American College Personnel Association "The maximum impact of the mental health staff on the development of students will be felt not only through its direct contact with students but also indirectly through its influence and aid to the other college staff who are in direct relationships with students." It would be hard to over-estimate the importance of this area and the Center's goal is to explore new ways of increasing its participation in this activity, especially inworking with academic departments.

3. Teaching: There is ample evidence that institutionalized programs and courses do not entirely meet students' needs. The professional counselors at the Center have a contribution to make in filling some of the lacunae in the curriculum and have it as their responsibility to provide courses related to their experience which might be useful to students whether or not these are parts of the organized curriculum. The staff currently provides both formal and informal educational experiences for the University in those areas of human behavior where we have special competence, and would like to increase its commitment in this area if time permits.

4. Training: This refers to our teaching objectives within the Counseling Center. It includes the inservice training of professional, pre-professional(practicum students and interns) and lay persons to increase their understanding of personality and interpersonal relationships. This includes developing the awareness and skills necessary for effective counseling. Training will continue as an important function of the Student Counseling Center. Our goal is to be able to devote more time to the training of people outside the Center and eventually meet the requirements for APA approval as a training agency.

5. Research and Professional Involvement: Promoting and conducting basic and applied research, making conceptual contributions, and serving in professional organizations are important responsibilities of a counseling center staff. As professionals, we should contribute to the growing, changing body of knowledge in our field. At a minimum, we should evaluate and improve our own functions and try to identify in the total university which of them have an effect on student academic achievement and personal development. This past year has seen an increased involvement in this area, which we expect to continue in the future.

OVERVIEW OF SERVICES AND PROGRAMS

Counseling:

This year several innovations were attempted to allow the Center to better meet student needs. First, an "instant action intake" procedure was implemented. Traditionally, the primary purpose of intake interviews has been to evaluate the nature and severity of the client's problem so that appropriate disposition of the case can be made. Under the more typical intake procedures the client comes to the center, fills out a variety of forms and is then given an appointment for his intake interview. Seldom is the individual seen on the same day he requests assistance. Recently, many Counseling Center Staffs have become very sensitive about the effects of this type of procedure on students' perception of the

center's willingness to help. To combat this, many centers have used a "walk in" screening interview. With this procedure an attempt is made to see the student immediately upon reporting to the center requesting assistance. It is felt that this kind of procedure has many advantages. Primarily it gives the student a feeling that we do care and we will help.

Another important, but secondary, advantage is the fact that this procedure allows the client to begin counseling much sooner than under the more traditional intake. Hopefully, this will speed his recovery and allow him to become more functional quicker.

In order to implement our instant action intake it will be necessary for the staff to provide a four hour block of time one day a week. During this time the staff member will see whoever walks in the door requesting assistance. This may range from a simple request for information, which may take 5 minutes, to a rather involved session, 1-2 hours, with seriously distrubed students. As you can see the amount of time spent on a student is entirely up to the counselor.

Our experience with the instant action intake this year was very good. We plan to continue it next year.

Secondly, an attempt was made to broaden the range of clients seen in the Center. In the past the center has been seen as a vocational guidance center. Although we still fulfill this function, we are now seeing a higher percentage of students with personal-social-emotional problems than we have in the past.

The Center Staff also became more involved in the use of group counseling as a primary treatment vehicle. A total of 12 groups were conducted by the counseling center this year. These groups involved each member of the staff and accounted for 5,760 service units (a service unit is simply the number of hours spent in an activity multiplied by the number of people reached). Based upon this year's experience and continuing student demand, we plan to continue and increase this activity.

Table 1

Summary of Counseling Activity Service Units

Activity	Service Units
Instant Action Intake	510
Individual Counseling	539
Group Counseling	5,760
TOTAL	6,809

Overall this has been a good year for the Center counseling activities. We have seen more students with broader ranges of problems. We have begun to change the Center image, in terms of vocational vs. personal counseling. Lastly, we have begun a program of group counseling that reaches more students than providing only individual counseling.

Consultation:

This section reports on a wide range of activities aimed, in a broad sense, at expanding the Counseling Center's facilitation of the University's primary function, the educational process. One can readily conceive of counseling services to students, individual or group, as providing a corrective (or curative) function, i.e. as helping students overcome emotionally related problems which interfere with their education. In the same vein consultation activities may be seen as providing a direct service to other University offices which is designed to ehlp overcome difficulties which intere with fulfilling an education purpose. This view, for students, focuses on problems they either bring to the University from their previous experience or have created within them by the institution. For other University units it focuses on personal or system-generated problems which in some way interfere with the educational growth of students. In either case, the perspective leans in the direction of dealing with negative side effects, that is of working with fall-out.

Presented in this way, it seems apparent that the psychological resources available in the Center may be applied to preventing problems and even more important to facilitating psychological growth. Through consultation activities, the corrective, preventive and facilitative functions may also be offered to other campus units and, as representatives of the University, to the larger community. The promotion of psychological health and growth then is seen as a vital part of the educational process which dovetails with the facilitation of more traditional academic learning. As suggested earlier, it may be that current student unrest is related to our (higher education's) seemingly habitual inadequacy in providing a personally oriented and growth producing learning experience. With the general goal in mind of extending our functions to encompass preventive and facilitative purposes as well as curative ones, we undertook to broaden the consultation activities of recent years, to set into motion a number of continuing relationships and gratifying realization that our own growth and skills have been expanded by these contacts with students, University staff and the community.

In the past years consultation functions had to be curtailed to more adequately provide direct counseling service to waiting students. Increased efficiency and the filling of staff lines this year permitted us to keep better abreast of the waiting list for counseling and for consultation. Additionally the broader commitments outlined above and a lot of volunteered staff time have allowed a vast increase in the depth and range of consultation. We hope that the value of these functions will stimulate continued support as regular activities of the Counseling Center staff so that the programs initiated may become regular and additional beginnings made.

All of our staff engaged in consulting activities. The largest portion of time was taken up with consultative contacts with other Student Personnel offices. Different members of our staff have spent consultation time with persons from the following offices: Admissions and Records, Foreign Students, Student Affairs, and the Counselor Training program. In addition, a considerable amount of informal consultation occurs between members of our staff around mutual problems.

The next largest commitment of time was to the Provost's Office with the CCEBS Program. The Center Staff has been working closely with Dr. Turner and others to redefine and strengthen the upcoming CCEBS Program.

The Summer Counseling Program necessitates a great deal of time for coordination of various departments and agencies. This has taken a large portion of staff time this year.

We must intensify our consulting activities in two areas: 1. Faculty and 2. Residence Halls. We hope to define these programs in the near future.

It has been our experience that all of our contacts have been mutually beneficial in improving effectiveness in working with students. One problem in facing the question of benefit regarding consulting is that, in a real way, the more effective the consultation the less obvious the effect. This is the case because good consultation takes the form of helping the recipient individual or agency utilize their own motivation and resources to maximize their impact. The consultant then, although an agent of change, appears simply to be a witness to growth and improvement.

Again, one measure of the value of consultation is the number of requests for these services. The vast increase in consultation reflects an immediate acceptance of time offered by the Center to individuals and offices and subsequent requests for follow-up visits.

Teaching:

The Center Staff has been highly involved in the teaching activities of the Psychology Department and the School of Education. Dr. Southworth taught Psychology 365, Theories and Practice in Counseling, prior to leaving on his Sabbatical. Dr. Southworth has spent the last six months in England writing.

Dr. Julius, Dr. Haase and Dr. Forsyth have been very active in teaching activities for the School of Education. Dr. Julius has taught the practicum course, Education , for the last two semesters. Dr. Haase will be teaching Psychological Testing. Drs. Julius, Haase and Forsyth have been heavily involved in chairing and serving on Masters and Doctoral committees. In addition many hours have been spent meeting with other faculty in the Center for Counseling and Guidance to redefine the program.

Training:

During the past academic year, 1968-69, the Counseling Center greatly increased their offerings of training services. Previous to this year the Counseling Center served mainly as a service facility but beginning with the academic year 1967-68, and continuing with the large increase this past year, the Counseling Center is serving as a major training agency and consulting agency for both the School of Education and the Psychology Department as well as the entire university.

This past year the staff of the Counseling Center worked with 14 counselors in preparation. The Counseling Center served as a training unit for ten doctoral candidates, four students from education, six students from psychology and two master candidates. Four of these doctoral candidates spent between 20 and 30 hours in service and training functions at the Center while the remaining eight students spent between 10 and 20 hours at the Center.

Supervision and Training Opportunities

Student counselors associated with the Center received both individual and group supervision. All students were assigned a staff member and received 1 to 3 hours a week in individual supervision. In addition, students received group supervision of approximately 2 hours per week.

All students were given the opportunity to counsel in dyadic as well as group counseling experiences according to the needs of their professional development. In addition, student-staff conferences and seminars were held periodically throughout the year on professional development topics.

This year, with the addition of Dr. Haase to our staff, students also received the opportunity to work on various research projects. Most students received research consultation services of anywhere between 1 and 4 hours a week.

Staff Time for Supervision & Training Services

Individual Supervision Time Weekly

Internship Supervision

Dr. Forsyth	2 hours
Dr. Haase	2 "
Dr. Julius	2 "
Dr. Ralph & Southworth	2 "

Practicum Supervision - Individual Supervision

Dr. Julius	6 hours weekly
Dr. C. Turner	3 hours weekly

Group Supervision

Staff members contributed 2 to 3 hours a week in group supervision.

Additional Training Services

This past year, Dr. Julius and Mr. DiMattia provided supervision experiences for School of Education counselor trainees for 20 students during the academic year and 20 student counselor trainees during the summer school, 1969. These students were placed in public schools for their practicum experience, but they received supervision at the Center. Because of limited staff time, staff members contributed about 8 to 10 hours a week on this training project.

Training Facilities

This past year, the Center received some video equipment on loan from the School of Education. Thus, trainees received video tape experiences both for counseling and supervision experiences on a limited basis.

Furthermore, students were able to make use of the observation (one way mirror) and group room facilities extensivley.

Implication

It is quite evident from the findings of this report that the Center is viewed by both departments of Education and Psychology as a major training facility. If we are to continue improving the quality of our training and supervision experience, it is necessary that we increase our Ph.D. staff members so that we may be able to service more students and also provide greater diversity of theoretical models for a training program.

In addition, the Center needs additional office and counseling rooms to facilitate the training services. Additional audio and video equipment are needed to provide students with opportunities for supervision and research.

Research:

Research activities in the Counseling Center during the 1968-69 academic year have been as diverse as the interests of the major contributors to projects carried on throughout the year. Although the majority of the research projects completed during the year have focused essentially on variables related directly to counseling, they have approached the study of student behavior in the counseling process from many different approaches. Typical of these projects has been a major project directed at ascertaining the effectiveness of black-white encounter groups on the reduction of level of prejudice; further validation of the Vocational Preference Inventory as an instrument often used in counseling students; and the effects of training clients in specific behavioral skills prior to counseling. The nature of the research conducted in the Counseling Center is reflected in the bibliography of funded research, technical reports and publications listed below.

Publications:

Southworth, J.A. & Bossi, E.B. Third annual report on the Kellogg Foundation studies of student culture.

Carlton, S.B. A comparison of group desensitization of test anxiety utilizing a standard hierarchy with a non-behavioral group counseling approach. University of Massachusetts Counseling Center Research Reports, No. 8, June, 1969.

Haase, R.F. & DiMattia, D.J. Counselor preference for proxemic arrangement in dyads. University of Massachusetts Counseling Center Research Reports, No. 1 May, 1969.

Haase, R.F. & DiMattia, D.J. Proxemic behavior in dyads: preference of counselors, clients and administrators. University of Massachusetts Counseling Center Research Reports, No. 3, June, 1969

Haase, R.F. & DiMattia, D.J. Preferences for interpersonal distance under specific instructional set in counseling. University of Massachusetts Counseling Center Research Reports, No. 9, June, 1969.

Technical Reports

Haase, R.F., Forsyth, D.R., Julius, M.A. & Lee, R.M. Client training prior to counseling: an extension of the microcounseling paradigm. Technical Report No. 1, May, 1969, Grant F26-69(1), University of Massachusetts Research Council.

Funded Research

Forsyth, D.R. & Hindman, A.P. The effect of sensitivity group participation under different conditions on the reduction of racial prejudice. Grant from The United States Office of Education, $10,000.

Haase, R.F., Forsyth, D.R., & Julius, M.A. Client training prior to counseling: an extension of the microcounseling paradigm. Grant from the University of Massachusetts Research Council, $500.

Research in Progress

Haase, R.F. & Forsyth, D.R. Factor analysis studies of the Vocational Preference Inventory.

Haase, R.F. & Forsyth, D.R. Canoncial correlation of vocational interests and personality characteristics of college males.

Haase, R.F. & Forsyth, D.R. The multidimensional nature of the maladjustment scale for college students.

Facilities and Equipment

The Counseling Center has maintained and operated test scoring and data analysis facilities throughout the year. The presence of a DIGITEK opical scanner and an IBM 1620 computer has allowed Counseling Center personnel to offer research and test scoring services to a wide range of personnel of the University.

Graduate Student Training in Research

Throughout the year the Counseling Center staff has offered research training and experience to a total of 6 graduate students from the School of Education and Department of Psychology. The activities of the students ranged from assisting with existing projects initiated by staff members and carried out by the student with staff assistance. The Counseling Center should increasingly become an agency which is capable of providing relevant research experience for graduate students in the area of counseling and psychotherapy.

Testing:

Candidates for University employment -

During the year 506 women and 394 men were tested for non-professional positions at the University. In addition, personnel tests were administered to 96 high school seniors from all schools in the area interested in University employment.

University students -

Approximately 396 tests were administered in conjunction with our counseling services.

National tests administered -

Advanced Test for Graduate Study in Business	58
American College Testing Program	74
Dental Aptitude Test	11
Graduate Record Examinations	841
Graduate School Foreign Language Test	277
Law School Aptitude Test	107
National Teacher Examinations	107
Naval College Aptitude Test	6
Professional Qualification Test	129
Veterinary Aptitude Test	24
	1,634

Summer Counseling:

More than a decade ago the University of Massachusetts provided a modest Summer Counseling Program for approximately 1,350 freshmen. Last summer 4,200 freshmen and transfer students engaged in a highly enriched program designed to provide each student with personally relevant information about himself and the University environment. Over this ten year period there has been a four-fold increase in the student body, a three-fold increase in new undergraduates, perhaps a five-fold increase in staff-faculty involvement in the programs, and marked increases in associated labor costs, yet there has been no increase in the fees that help support these important programs for new students.

The Summer Counseling Program obtained its original impetus from the need to treat students on a more individualized basis. Initially this took the form of what was primarily an advanced placement program which over the years has assisted in the identification of students who were capable of doing accelerated academic work. Very early this concept grew to include not only the advanced placement of superior students, but also became a sincere attempt to place each student in a relevant and interesting academic program commensurate with his abilities, training, interests, and needs. To meet this goal a great deal of knowledge and data about each student must be gathered, assimilated, and evaluated with the end result being an individually tailored academic program. To assist the University in attaining this goal it was decided two years ago to intensify the involvement of student counselors in the academic advising of freshmen.

This necessitated training student counselors well in advance of the summer. Although our evaluations have found that this procedure is very beneficial there remain some aspects that must be improved. Without additional support, these improvements cannot be made. For example, student counselors must be able to facilitate and direct discussions of important issues, such as black-white relations, with parents and students. This demands a degree of interpersonal skill and sophistication unheard of in student counselors prior to two years ago. We know that with proper training and supervision student counselors can assist many students and parents in understanding the complex social issues that face them.

Another area within the New Student Programs that must continue to grow is the testing program, with its supporting elements of test processing and data analysis. Without constant evaluation of the tests used to assess academic proficiency we run the risk of using inappropriate or unreliable measurement devices. With the increasing numbers of students it becomes extremely difficult to process the tests as well as evaluate them. (It should be noted that the support requested here for test processing will provide related services throughout the entire college career of each student.)

In addition to providing orientation for freshmen and transfer students who enter the University in the Fall, we must provide similar experiences for transfer, swing shift and other new students who enter at mid-year. Presently these students receive very limited assistance. Funds requested here will help provide considerably greater attention to new student needs at mid-year primarily through the added services of a full-time coordinator.

Another area that must be enriched is the program involving the parents of new students. Although a brief orientation is provided now it is felt that much remains to be done to assist the parents in understanding the nature of University life and what it means to their son or daughter and themselves. With additional support this program would be considerably strengthened.

APPENDIX A

I FUNDING

II STAFFING

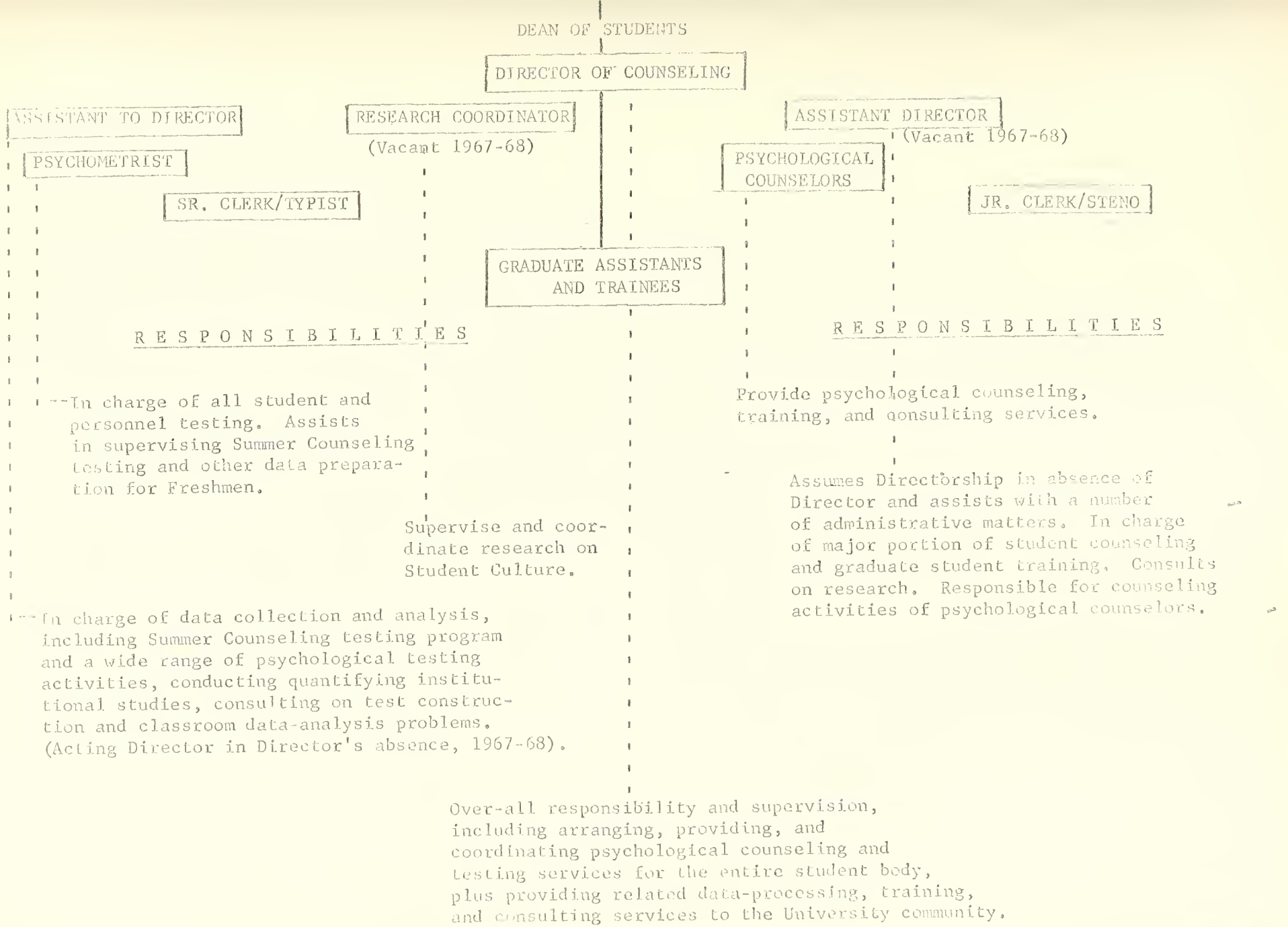
III ORGANIZATIONAL CHART

APPROPRIATIONS

	1966-1967	1967-1968	1968-1969
F-26	9,600	12,550	12,420
03			
F-28	30,000	22,400	27,680
10	300	200	250
11	---	---	50
12	220	200	200
13	6,000	4,000	4,300
14	1,300	900	500
14[1]	985	1,035	1,190
15	---	---	---
16			
	54,405	47,285	52,590

II Personnel

	1967	1968	Vac.
Director of Counseling	1	1	0
Assistant Director of Counseling	0	1	0
Staff Assistant	1 2/5	1	0
Psychological Counselors	2 1/2	1	1 1/2
Consultants	1/5	1/5	0
Research Coordinator	5 1/10	5 1/5	


DEAN OF STUDENTS
DIRECTOR OF COUNSELING
ASSISTANT TO DIRECTOR
PSYCHOMETRIST
SR. CLERK/TYPIST
RESEARCH COORDINATOR
(Vacant 1967-68)
GRADUATE ASSISTANTS AND TRAINEES
PSYCHOLOGICAL COUNSELORS
ASSISTANT DIRECTOR
(Vacant 1967-68)
JR. CLERK/STENO
RESPONSIBILITIES
--In charge of all student and personnel testing. Assists in supervising Summer Counseling testing and other data preparation for Freshmen.
--In charge of data collection and analysis, including Summer Counseling testing program and a wide range of psychological testing activities, conducting quantifying institutional studies, consulting on test construction and classroom data-analysis problems. (Acting Director in Director's absence, 1967-68).
Supervise and coordinate research on Student Culture.
Over-all responsibility and supervision, including arranging, providing, and coordinating psychological counseling and testing services for the entire student body, plus providing related data-processing, training, and consulting services to the University community.
RESPONSIBILITIES
Provide psychological counseling, training, and consulting services.
Assumes Directorship in absence of Director and assists with a number of administrative matters. In charge of major portion of student counseling and graduate student training. Consults on research. Responsible for counseling activities of psychological counselors.
Director: [illegible] Alfred [illegible]

APPENDIX B

I. Staffing salary and budgetary review

II. Internship proposal

TO: Dean William F. Field DATE: March 24, 1969
FROM: Douglas R. Forsyth, Counseling Center
RE: STAFFING, SALARY & BUDGETARY REVIEW OF THE UNIVERSITY COUNSELING CENTER

This document reviews the current position and posture of the University Counseling Center and makes specific staffing and budgetary recommendations to meet our present commitments as well as to provide the support needed to create a top level training, service, research and consulting agency.

STAFFING

A graphic review of the staffing patterns of the Counseling Center since 1965 is presented in Figure 1.

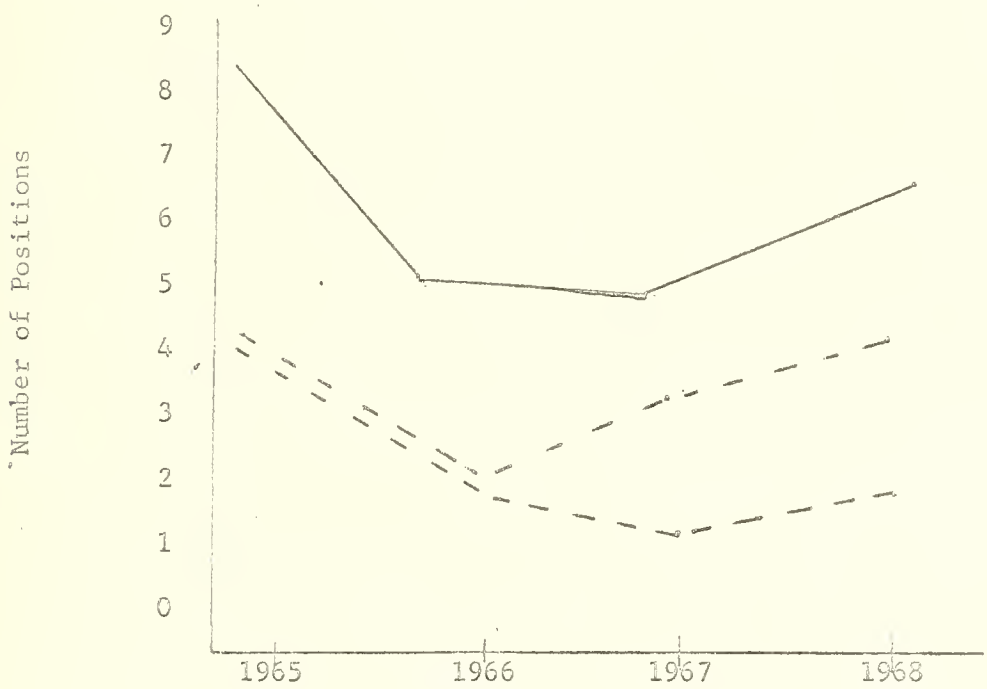


Figure 1

Staffing patterns of U/Mass Counseling Center from 1965 to 1968

It is apparent that the Counseling Center has not maintained its 1965 level of staffing. In fact, the Center has lost 2½ positions since 1965, although the student body has grown from 11,859 students in 1965 to 16,552 students in 1968. The results of a survey of 50 university counseling centers conducted by Warnath (1968) has indicated that the average large university (15,000 students) supports a counseling center of 9 professional members, 7 have Ph.D.'s and 2 are at the Master's level. In addition, there has been an average increase of 2 staff positions each year over the three year period from 1965-68.

At that rate, the Center should have added a minimum of 6 new positions since 1965-66. Given 1965 as a base, the Center would now have 14.5 professional positions. This would have put the Center in the upper 5% of the best and largest counseling centers in the country. Unfortunately, this did not occur. We must still make up the 2½ positions lost since 1965 as well as provide several new positions to keep current with the increasing university enrollment. This is critical if we are to provide a viable training, consulting and research program here at the University.

Based upon the review of the Center's staffing patterns over the past 3 years and Warnath's data it does not seem unreasonable to expect the 4 new Ph.D. level positions requested by Dr. Southworth. Also, the addition of 2 internship positions would allow the Center to better meet the needs of the students and the student personnel staff. The addition of 4 Ph.D. level positions would give us 10 1/5 full time counselors, the average for a large university counseling center in the United States (Warnath, 1968). The two internship positions will publicize the University and strengthen the Center's training program.

In addition to staff support we must also consider support for graduate students. For the last two years we have been able to provide support for approximately 5 students for one semester. Most of the students have come from the Psychology Department. The Department, in turn, provides one half of a professional position to the Counseling Center. Dr. M. Appley and I both agree that we must provide full year funding for all students, rather than funding for 1 semester and scraping for the second semester. Full support for five graduate student positions would assist us in our support of the Psychology Department and School of Education.

SALARIES

We have also conducted a rather extensive examination of salary schedules of counseling centers throughout the United States. This data was gathered to anticipate what salaries must be paid to new staff. In addition, we compared our salaries with the salaries paid in other centers throughout the United States.

Figure 2 presents the data concerning the starting salaries of new Ph.D.'s over the last three years.

At that rate, the Center should have added a minimum of 6 new positions since 1965-66. Given 1965 as a base, the Center would now have 14.5 professional positions. This would have put the Center in the upper 5% of the best and largest counseling centers in the country. Unfortunately, this did not occur. We must still make up the 2½ positions lost since 1965 as well as provide several new positions to keep current with the increasing university enrollment. This is critical if we are to provide a viable training, consulting and research program here at the University.

Based upon the review of the Center's staffing patterns over the past 3 years and Warnath's data it does not seem unreasonable to expect the 4 new Ph.D. level positions requested by Dr. Southworth. Also, the addition of 2 internship positions would allow the Center to better meet the needs of the students and the student personnel staff. The addition of 4 Ph.D. level positions would give us 10 1/5 full time counselors, the average for a large university counseling center in the United States (Warnath, 1968). The two internship positions will publicize the University and strengthen the Center's training program.

In addition to staff support we must also consider support for graduate students. For the last two years we have been able to provide support for approximately 5 students for one semester. Most of the students have come from the Psychology Department. The Department, in turn, provides one half of a professional position to the Counseling Center. Dr. M. Appley and I both agree that we must provide full year funding for all students, rather than funding for 1 semester and scraping for the second semester. Full support for five graduate student positions would assist us in our support of the Psychology Department and School of Education.

SALARIES

We have also conducted a rather extensive examination of salary schedules of counseling centers throughout the United States. This data was gathered to anticipate what salaries must be paid to new staff. In addition, we compared our salaries with the salaries paid in other centers throughout the United States.

Figure 2 presents the data concerning the starting salaries of new Ph.D.'s over the last three years.

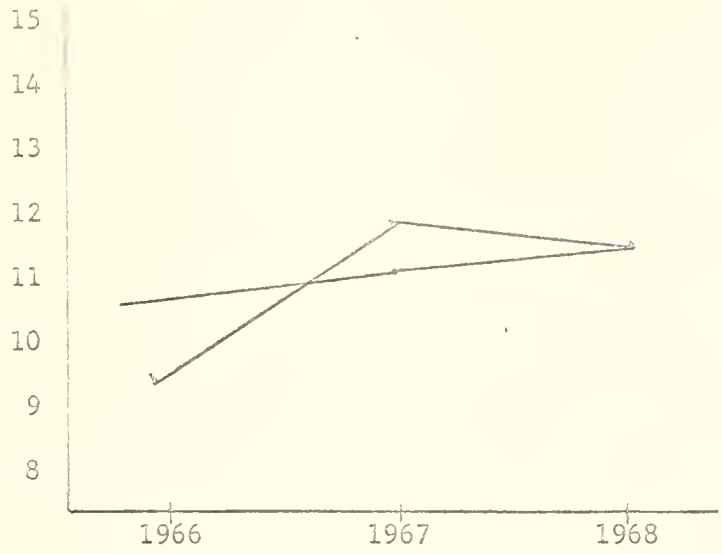


Figure 2

Comparison of U/Mass starting salaries with the salaries of 50 representative counseling centers from 1966-68.

It is apparent from Figure 2 that U/Mass has been very competitive in their starting salaries over the last three years. Over this three year period the mean dollar increase has been 798.50 while the mean percentage of increase was 8.1 percent. This means that to be competitive we must be willing to offer between 12,000 and 13,000 dollars for new Ph.D.'s

The comparison of personnel with doctorates and less than three years experience is presented in Figure 3.

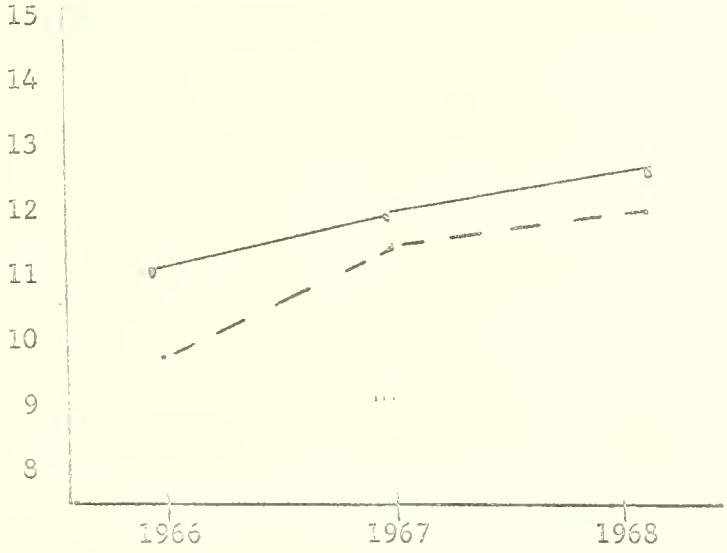


Figure 3

Comparison of the salaries of doctorates with less than 3 years of experience at U/Mass with a representative sample provided by Warnath.

It is extremely difficult to make any sense out of mean dollar and percentage increases for this group. Any increase for this group must be considered as a raise which should include both the increase in the cost of living as well as merit raises. At any rate, the mean dollar increase over this three year period was $705.00 while the mean percentage increase was 6.5 percent. We should plan to pay between $13,000.00 and $14,000.00 for Ph.D.'s with less than 3 years experience.

If we plan to recruit personnel with doctorates and more than three years of experience we should expect to pay somewhere between $14,000.00 and $15,000.00. Figure 4 presents the data for this category.

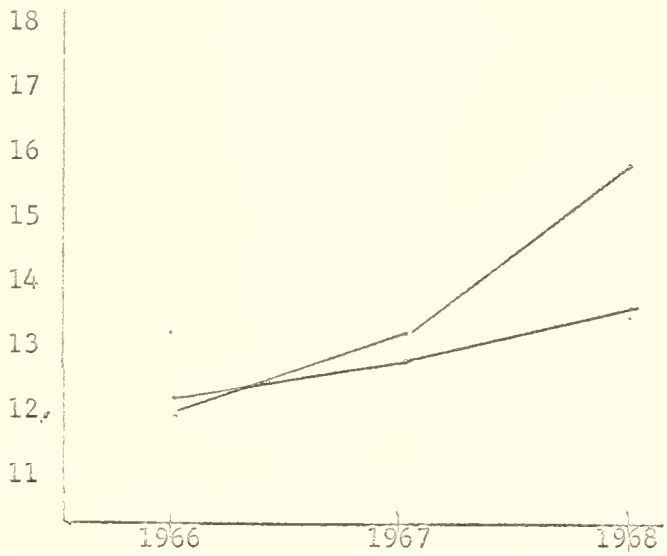


Figure 4

Comparison of salaries of personnel with doctorates and more than 3 years of experience with the salaries of a representative sample.

The data in Figure 4 indicates that U/Mass has, in the past, paid salaries far in excess of the mean salaries for this category. These salaries were, I understand, individually unique and not necessarily a representative salary.

The data concerning Directors salaries is presented in Figure 5.

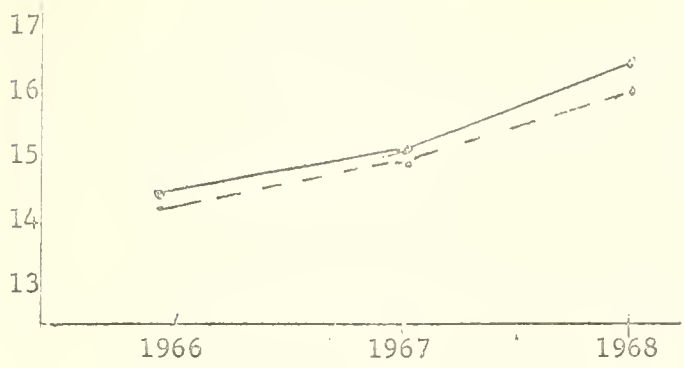


Figure 5

Comparison of Counseling Center Directors salaries from 1966-68.

It is evident that the salary paid to the Director of the Center has been somewhat lower than the salary of the Director of the counseling center in an average large university receives.

The data concerning Master level positions can be found in Figures 6 and 7. It is quite evident from Figure 6 that the salaries paid to Master's level candidates with more than three years experience is consistent with the national sample.

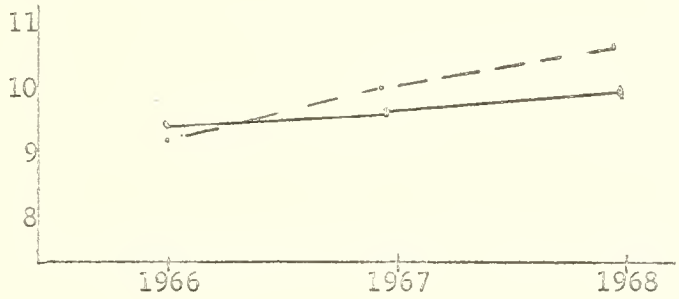


Figure 6

Comparison of salaries of personnel with Master's degrees and more than three years of experience with the salaries of a representative sample.

The salaries paid by the U/Mass Counseling Center to personnel holding Master's degrees but having less than three years of experience are not competitive with the national sample.

According to Figure 7 the salary for this group has stabilized at $9,000.00. We pay $8,200.00

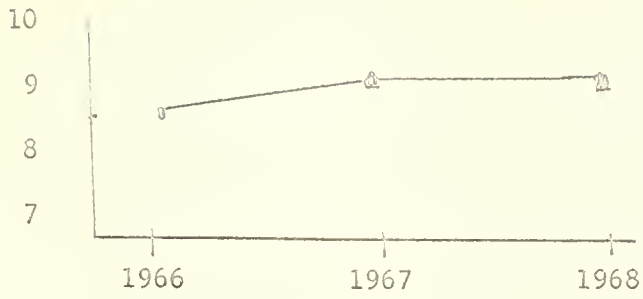


Figure 7

Salary data for candidates holding a Master's degree with less than 3 years experience.

STAFFING AND SALARY SUMMARY

STAFFING:

1. The addition of 4 new professional level positions is justified and critical.

2. The inclusion of 2 internships is justifiable and necessary for a strong training program.

3. The full time funding of 5 graduate student positions is necessary for a strong training and service function.

4. No new Master's level personnel be recruited.

SALARY:

1. The data revealed that the salaries paid to new Ph.D.'s beginning to work at U/Mass has been competitive with a representative national sample. Unfortunately, once employed, remuneration for the service of personnel holding Ph.D.'s has not kept pace with the salaries paid to the national sample.

2. For recruiting purposes we must expect to pay new personnel within the following ranges:

Ph.D. no experience	12,000	13,000
Ph.D. -3 years exp.	13,000	14,000
Ph.D. +3 years exp.	14,000	15,000

3. Our rate of pay for Master's level with more than three years of experience is adequate.

4. We should consider increasing the salaries of our Master's level people with less than three years of experience to make them compatible with the national average.

Our request for $37,215.00 of F-26 03 Funds (Appendix A) is a reduction of approximately $3,000.00 over last year's allocation. This was made possible by shifting $27,680.00 from state support to the Summer Counseling Trust Fund. We feel that if the Counseling Center is to grow these funds should be again allocated to the Center to hire top level interns, graduate assistants, student help and consultants. The latter category (consultant) has been increased by $3,000.00 over last year's allocation. This was done to enable us to bring outstanding men in Counseling Psychology (R. Berdie, T. Magoon, etc.) to the campus. This would strengthen our training program immeasurably. This will also provide us with a vehicle to recruit candidates.

The 10 account (travel) has been increased $1,750.00 over last year's allocation. This request was based upon figures provided by Warnath's 1968 survey of counseling center travel funds and the projected increase in staff. Warnath's data indicated that the average amount of travel funds paid to full time counselors was $200.00 with an S.D. of $161.00. Thus, with a staff numbering 10 full time counselors we would need $2,000.00 to provide one conference for each person. This does not seem excessive.

The 13 account (special supplies) has been increased by only $1,200.00 to cover the supply requirements for the anticipated increase in staff.

The 14 account (office and administrative expenses) request has been increased $1,000.00 to pay professional membership dues for 10 members of the staff, and provide for added administrative expenses due to increased staff. It is felt that by paying professional dues we may be able to offset some of the deficits in fringe benefits provided by the university. It would also assist in recruiting. It is important for a staff to have professional affiliations particularly if we are to become a top flight training agency.

The 16 account (rentals) request has been reduced by $3,000.00. This has been made possibly by paying for all previous equipment rentals from the Summer Counseling Trust Fund. The $3,000 would allow us to rent a video tape system for 2 years at the rate of $250.00 per month. This item is a necessity if we are to provide an adequate training program.

The total budget request for FY 70 is $52,565.00; approximately the same amount allocated in the FY 69 budget.

I strongly urge that allocations be made to all accounts in the amounts requested. This would enable the Counseling Center to continue to develop a strong training, research and consultation program. We hope to become one of the leading centers in the country. We now have the opportunity to do so with no additional funds needed over last year's budget allocations.

DRF:cc

Douglas R. Forsyth
Acting Director, Counseling Center

APPENDIX A

Budget Requirements for Fiscal Year 1970.

03	Services of Non Employees		$ 37,215.00
	F-26	Internships (2)	15,000.00
		Assistantships (5)	16,200.00
		Student Help (2)	1,620.00
		Consultants	4,395.00
10	Travel		2,000.00
11	Printing		50.00
12	Repairs		300.00
13	Special Supplies		6,500.00
14	Office and Administrative Expense		1,500.00
14[1]	Telephones		2,000.00
15	Equipment		00.00
16	Rentals		3,000.00
			$ 52,565.00

APPENDIX B

Budget Allocation for Fiscal Year 1969

03	Services of Non Employees		$ 40,100.00
	F-26	$ 12,420.00	
	F-28	27,680.00	
10	Travel		250.00
11	Printing		50.00
12	Repairs, Alterations		200.00
13	Special Supplies		4,300.00
14	Office and Administrative Expenses		500.00
14	Telephones		1,190.00
15	Equipment		00.00
16	Rentals		6,000.00
			$ 52,590.00

MEMORANDUM

TO: DEAN FIELD
FROM: DOUGLAS R. FORSYTH, ACTING DIRECTOR, UNIVERSITY COUNSELING CENTER
SUBJECT: SUPPORT FOR INTERNSHIPS FOR THE 1969-1970 ACADEMIC YEAR

One of the traditional requirements for completing a Ph.D. or Ed.D. degree in clinical or counseling psychology has been a full time paid internship for an academic year. Graduate students who are eligible for these positions have completed all of their degree requirements except the dissertation. The internship is required to ascertain if the individual can function as a professional psychologist on a routine basis. It also is an attempt to give the individual a wide variety of supervised professional experiences that he will be expected to engage in when he obtains his degree. In addition the internship provides supervised experience and evaluation in the area of psychotherapy and counseling -- his major function. Most students who are eligible for internships have completed their master's degree and have 2 to 3 years additional experience and training. They are well qualified individuals who need the final stamp of approval from the profession before they are offered their degree and are accepted as fellow professionals.

The use of interns in a counseling center has many benefits. Some of the benefits are their ability to assist in providing direct service to the students; the strengthening of the training function by providing supervisory services to beginning graduate students; and the use of their research skills to support our research functions. A survey of internship time distributions conducted at Ohio University in 1967 revealed that full-time interns provided direct service (counseling or psychotherapy) to an average of 18 individual counselees and conducted 1 group counseling

session per week. (See Appendix A for the results of the complete survey). We would reduce the individual counseling total to 10 clients per week and increase the group counseling contacts to 4 hours per week.

Interns would also strengthen the Centers' counseling training program by providing supervision to beginning counselor trainees from the Department of Psychology and School of Education. The Ohio survey indicated that full time interns spend only .2 hours a week in supervisory functions. We would increase this to an average of 2 hours per week.

We would also use interns to partially support the research function of the Counseling Center. We would like to provide 4 hours per week for this service although the Ohio survey indicated that interns ususally spend an average of 2.7 hours per week in this function.

In addition to the tangible support provided by interns there are some intangibles that should be considered. If interns were recruited from institutions other than U. Mass. they would bring with them new and different philosophies, therapeutic approaches and ideas. This would broaden the therapeutic experiences available to students as well as training experiences for graduate students.

In essence interns would be able to function as professional staff members in the many phases of the Counseling Center's program. (A recommendation for the distribution of the clinical counseling intern's time can be found in Appendix B.).

In addition to the benefits derived from having interns on our staff, we also incur the responsibility of providing supervision for all of their

professional activities. With the addition of two interns to the staff, approximately 8 hours of staff time per week should be provided for supervision.

The use of interns in counseling centers is not an uncommon practice. A recent survey conducted by Warnath in 1967 indicated that many university counseling centers provide internships for selected graduate students. In the Warnath survey 32 of 50 responding counseling center directors indicated that they used interns on their staff. Of these 32 respondents, 18 recruited their interns from other institutions while 14 used local talent.

It is evident that interns could be valuable additions to our staff. How much their services are worth is a much more difficult question. The rate at which interns should be funded can be considered in at least two ways. First, we can look at the median salaries paid to interns in universities across the country (Table I).

TABLE I

Salaries for the 1967-1968
Academic Year Internships

School Population	10-14	14-18	18-22	22-26	26-30	30+
N	3	2	1	0	2	1
Mean	5092	5995	5500		8537	7500
Median	4600	5995	5500		8537	7500

The data in Table I indicates that the average intern salary for an institution equivalent in size to U. Mass. is $6,000.00. However, this

was for the 1967-1968 academic year and does not include cost of living increases. It is felt that a 10% increase in the above salary would be justifiable. Thus a $6,600.00 salary for an intern working for an academic year would not be unreasonable.

Secondly, rather than considering these students as interns we could look at the salaries paid to personnel holding master's degrees who have less than three years of experience. In a survey conducted by Tom Magoon, Director of the Counseling Center at the University of Maryland, for ACPA, we find that the median range of salaries for counseling center personnel with less than 3 years of experience was $7,920.00 - $9,120.00 in the 1966-1967 academic year. Since this range is for the 1966-1967 academic year a 10% cost of living increase should be added to the median salary. This yields an annual salary of $8,520.00, which would be an appropriate salary for a master's degree candidate with less than three years experience. The difference between the master's salary and intern's salary is $1,920.00. A possible compromise would be a salary that would fall somewhere between these two extremes. Thus it is recommended that $7,500.00 be considered as a just salary for full-time interns. This salary would allow us to be very competitive with any of the counseling centers now providing internships. This would ensure that we could obtain well qualified individuals who would be assets to the Center.

If internships were provided for next year we should begin recruiting at least by the beginning of March.

The best methods of recruiting for these positions are:

1. Advertisement in the APA and APGA Employment Bulletins.

2. Personal contact with selected faculty in various counseling psychology programs.

3. Letters to the 24 APA approved counseling psychology programs.

Recommendations:

1. Two full time internships (40 hours per week) be provided to augment the Counseling Center staff. (We do not have the staff to provide adequate supervision for more than 2 positions.)

2. Funding for these positions should be at the rate of $7,500.00 per intern. Thus $15,000.00 should be made available next year to support these positions.

3. If at all possible a decision on this proposal should be made no later than March 1, 1969 so we can begin recruiting.

Douglas R. Forsyth

Douglas R. Forsyth
Acting Director
University Counseling Center

APPENDIX A

CENTER FOR PSYCHOLOGICAL SERVICES
OHIO UNIVERSITY
ATHENS, OHIO

October 19, 1967

Results of Survey of Internship-Time Distribution

Approximate Hours Per Week

	40-hour basis (N=5)			20-hour basis (N=24)		
	M	Mdn	Range	M	Mdn	Range
A. Service: (Contact hours with patient or client)						
(1) Individual counseling or psychotherapy	17.6	20.0	0-25	8.5	9.0	0-12
(2) Group counseling or psychotherapy	1.0	0.0	0-4	1.2	1.0	0-4
(3) Diagnostic evaluations and testing	0.3	0.0	0-2	0.5	0.0	0-4
B. Service Support Activity						
(1) Notes, summaries, phone calls, tape listening, referrals, record reviewing, etc., for INDIVIDUAL COUNSELING OR PSYCHOTHERAPY	6.5	7.5	2-10	2.3	2.0	0-5
(2) Same as preceding for INDIVIDUAL COUNSELING OR PSYCHOTHERAPY	0.4	0.0	0-2	0.5	0.0	0-1
(3) Same as preceding for DIAGNOSTIC ACTIVITIES	0.2	0.0	0-1	0.3	0.0	0-1
C. Staff Training Activities						
(1) Case conferences	1.2	1.0	½-2	1.3	1.0	0-8
(2) Training meetings (discussion of referrals, intakes, medication, interprofessional relations, ethics, etc.)	1.2	1.5	½-2	1.3	1.0	0-8
D. Individual Training Including Supervisory Conferences						
(1) For INDIVIDUAL COUNSELING OR PSYCHOTHERAPY	2.9	2.0	1½-5	1.8	2.0	1-4
(2) For GROUP COUNSELING OR PSYCHOTHERAPY	0.2	0.0	0-1	0.6	0.2	0-4
(3) For DIAGNOSTIC ACTIVITIES	0.2	0.0	0-1	0.2	0.0	0-4
(4) Observation and discussion of activities of experienced staff	0.2	0.0	0-1	0.4	0.0	0-1½
E.						
E. Research						
(1) Independent	2.7	2.5	0-10	0.4	0.0	0-1
(2) "In-house	0.4	0.0	0-2	0.3	0.0	0-4
F. Extra-clinic Activities or Public Contact	1.0	0.0	0-4	0.4	0.0	0-4
G. Supervision of Practicum Students or of Graduate Assistants	0.2	0.0	0-1	0.6	0.0	0-3
H. Other	0.0	0.0	-	0.5	0.0	0-3

* Number of hours specified equals number of client contact hours.
** This includes tape-listening, case notes, referrals, telephone calls, etc.

APPENDIX B

TENTATIVE RECOMMENDATIONS FOR DISTRIBUTION OF CLINICAL-COUNSELING INTERN TIME

(40 Hour Week)

A.	SERVICE		14.5 Hours
	(Individual Counseling:	10.0)	
	(Group Counseling:	4.0)	
	(Diagnosis:	0.5)	
B.	SERVICE SUPPORT		9.5 Hours
	(Individual Counseling:	7.0)	
	(Group Counseling:	2.0)	
	(Diagnosis:	0.5)	
C.	STAFF TRAINING		6.0 Hours
	(Case Conferences:	4.0)	
	(Training Meetings:	2.0)	
D.	INDIVIDUAL TRAINING AND SUPERVISION		4.5 Hours
	(Individual Counseling:	3.0)	
	(Group Counseling:	1.0)	
	(Diagnosis:	0.5)	
E.	SUPERVISION OF OTHERS		2.0 Hours
F.	RESEARCH		3.5 Hours
			40 Hours

APPENDIX C

Counseling Center Brochure

July 1, 1969

From: Graduate Office, Arthur C. Gentile, Acting Dean

To: Mr. Robert McCartney, Secretary of the University

Subject: Annual Report, Fiscal 1969

This report covers the areas of activity for which the Graduate Dean is administratively responsible. These are:

S11 Graduate Office

S12 Computer Science Program

S13 Research Computing Center

S14 Water Resources Research Center

S15 University of Massachusetts Press

S16 Office of Research Services

S17 Polymer Science and Engineering

S18 Marine Sciences Program

Research Council

1) Annual Appropriations

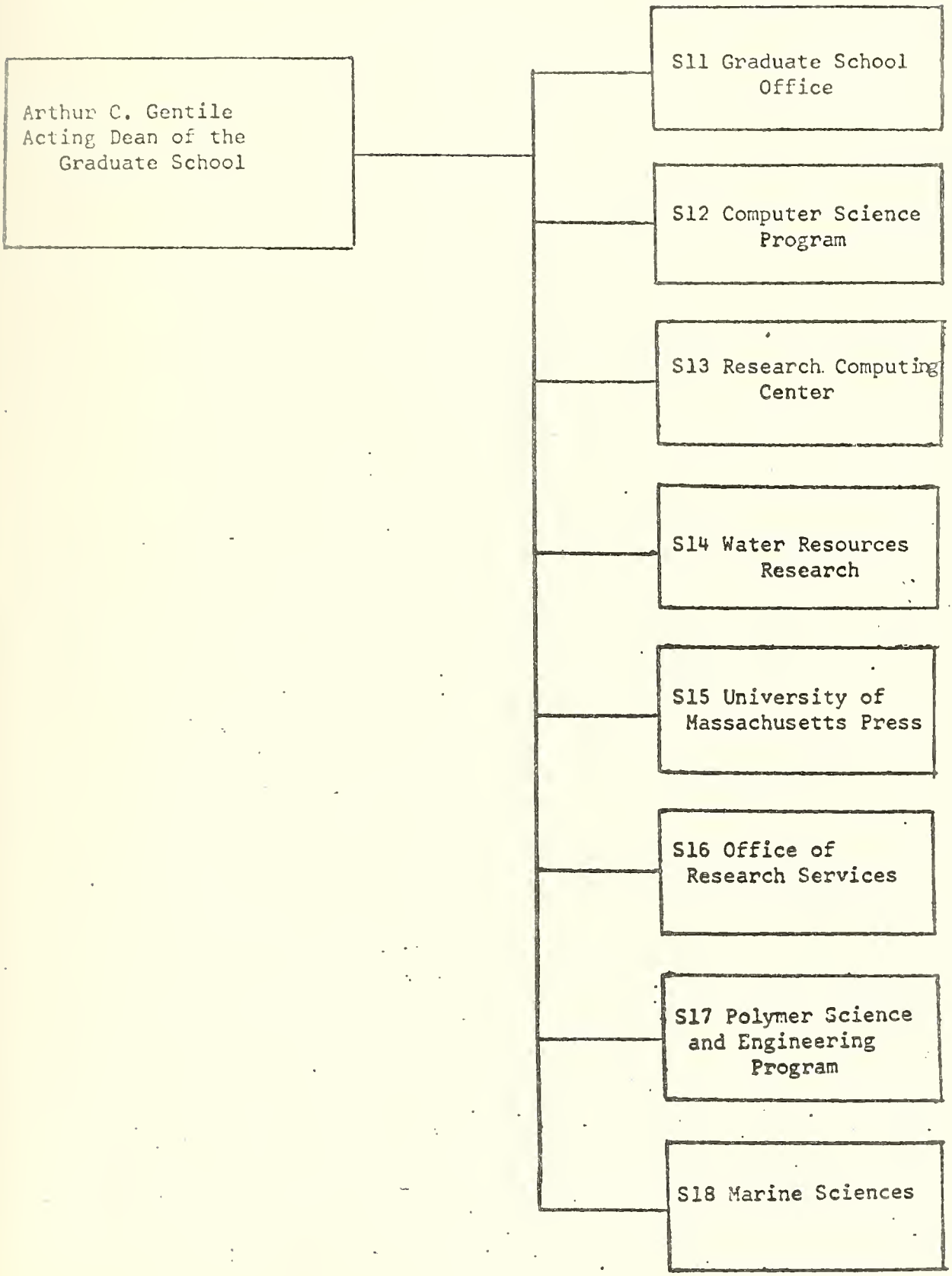
	'67	'68	'69
Graduate School:			
Operating Budget	122,780	151,780	161,005
Research Council			
Faculty Research Grants	100,000	62,000	70,000
Faculty Growth Grants	20,000	23,000	23,000
Massachusetts Review	10,000	10,000	10,000
Research Computing Center	191,186	398,804	529,900
Computer Science Program	47,974	41,126	138,548
University of Mass. Press	75,000	110,000	148,712
Water Resources Research Center	87,500	120,000	107,545
Office of Research Services	42,500	83,046	103,511
Polymer Science and Engineering	38,638	44,480	168,974
TOTAL	735,578	1,044,128	1,461,195

2) Personnel	Sept. 1966	Sept. 1967	Sept. 1968
S11 Graduate Office			
Administrative	3	4	5
Clerical	12	11	17
S12 Computer Science Program	4	4	5
S13 Research Computing Center	17	22	25
S14 Water Resources Research Center	3	4	4
S15 University of Massachusetts Press	5	5	6
S16 Office of Research Services	5	7	9
S17 Polymer Science and Engineering	2	5	5
TOTAL	51	62	76

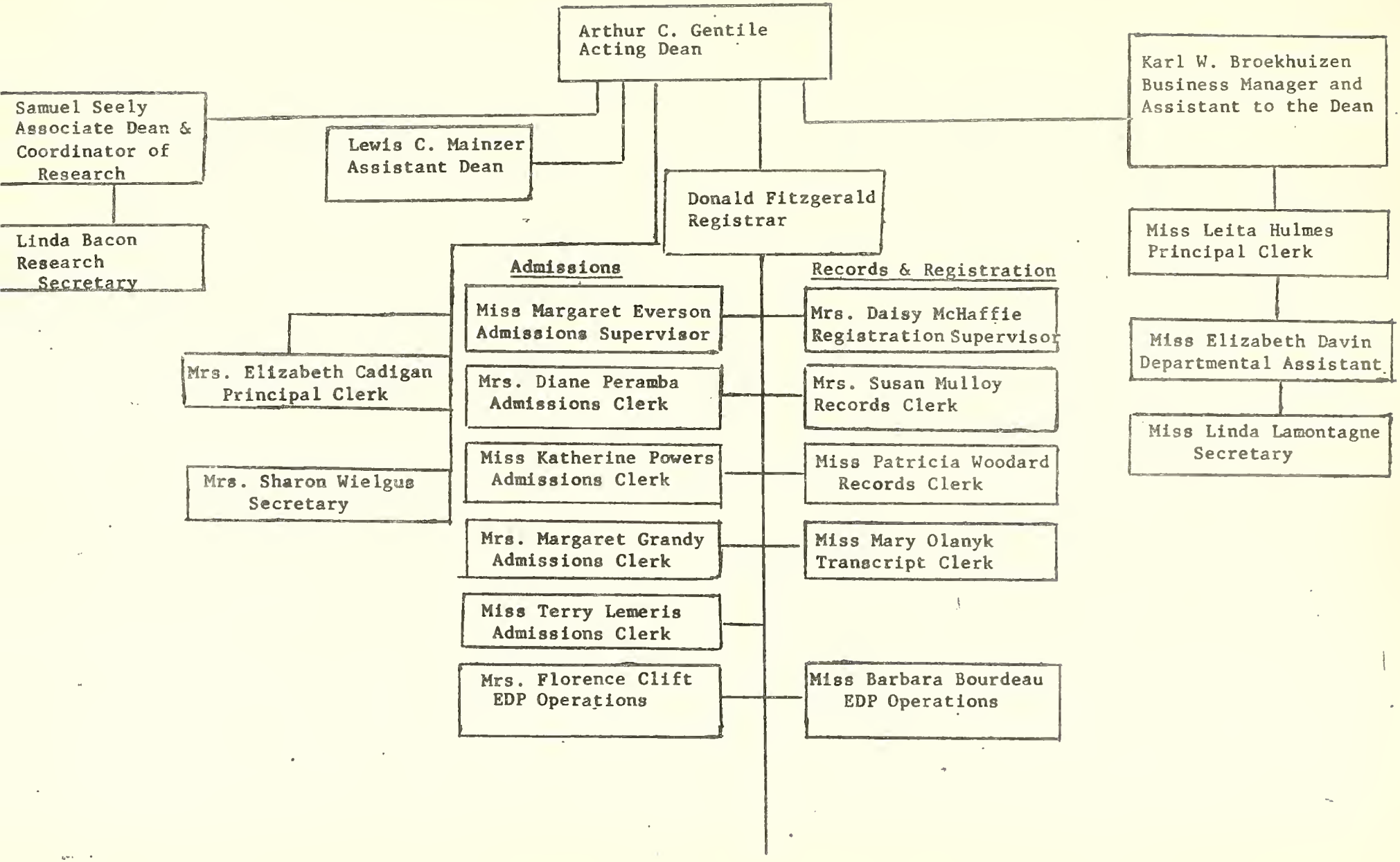
3) Graduate School Organization Chart

See Following Page

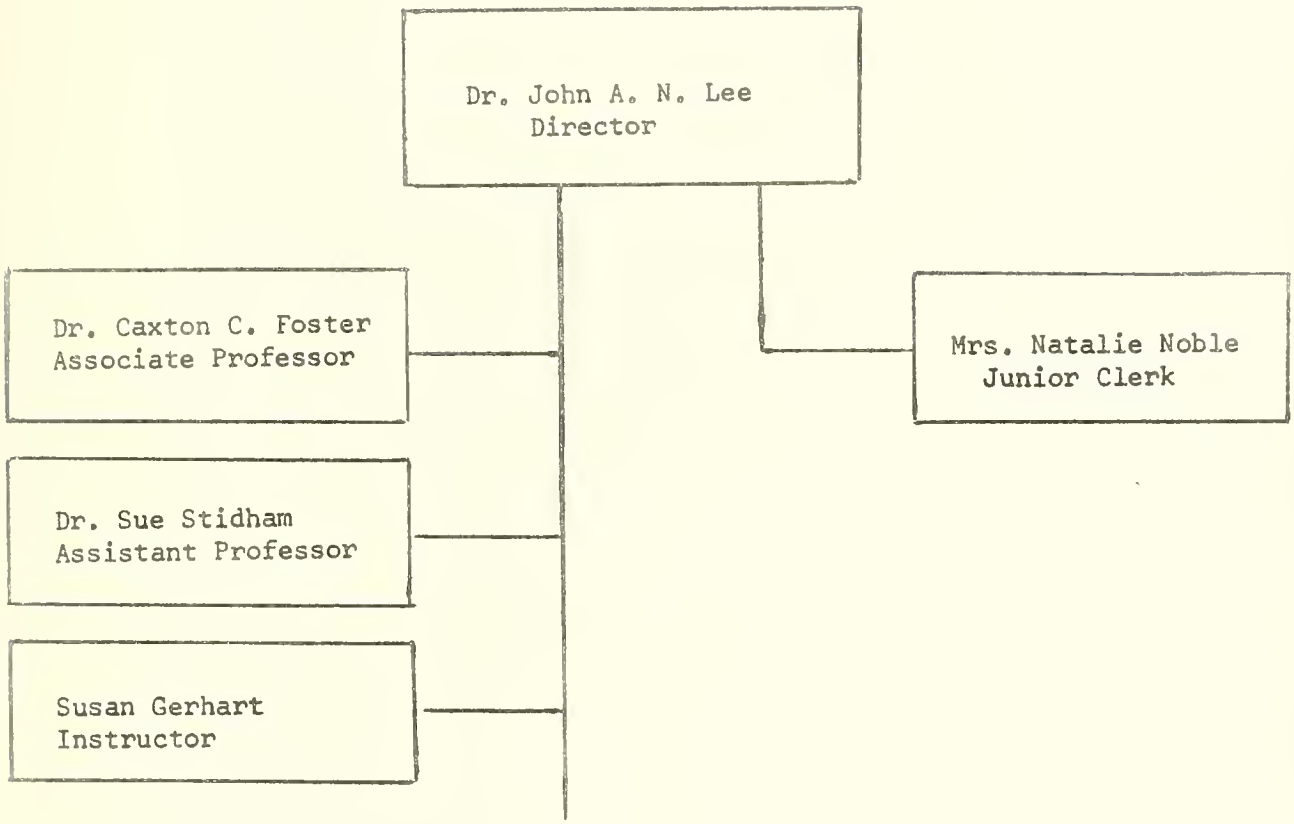
Graduate School Organization 1968 - 1969



S11 - Graduate Office



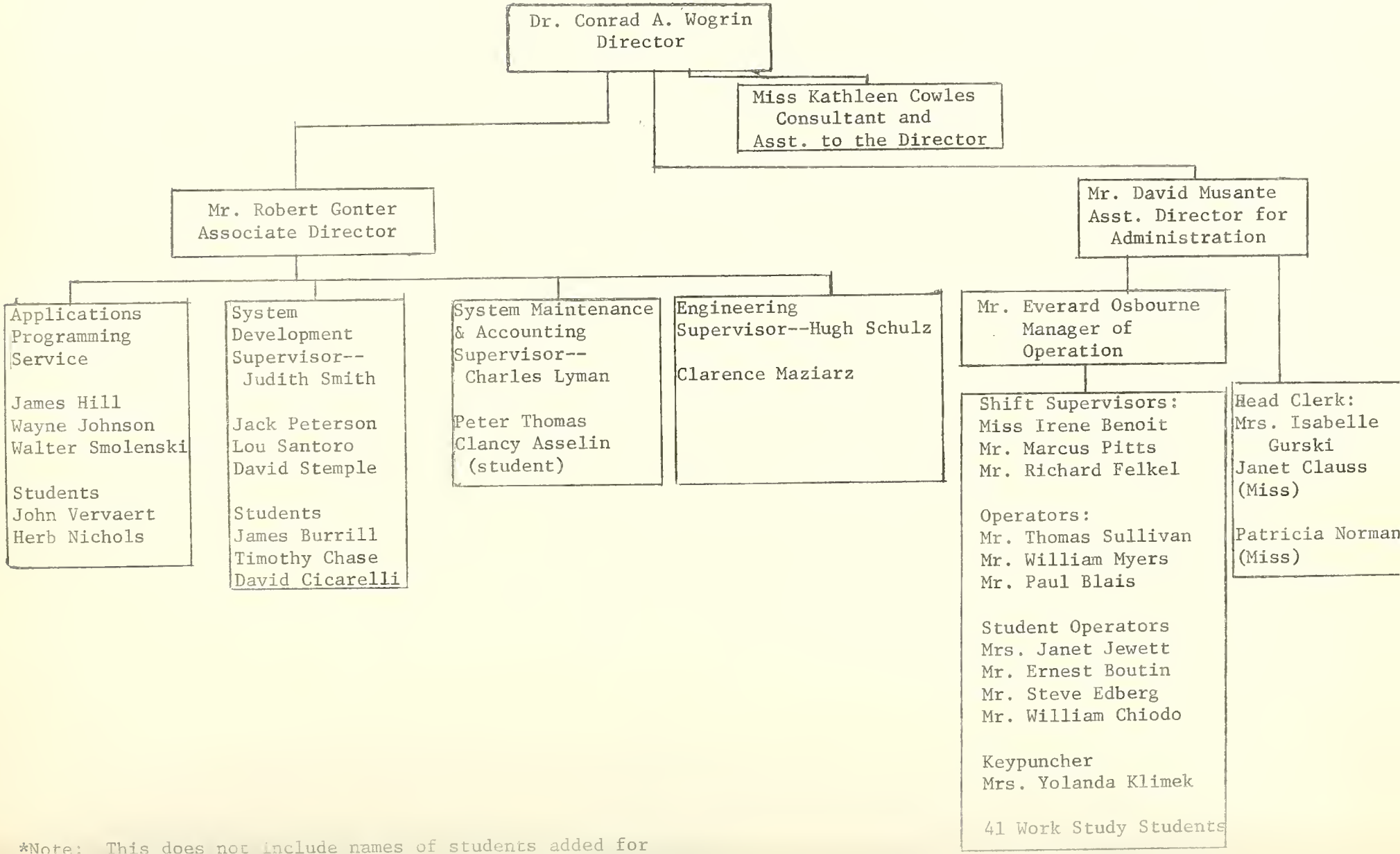
S12 Computer Science Program



S13 RESEARCH COMPUTING CENTER

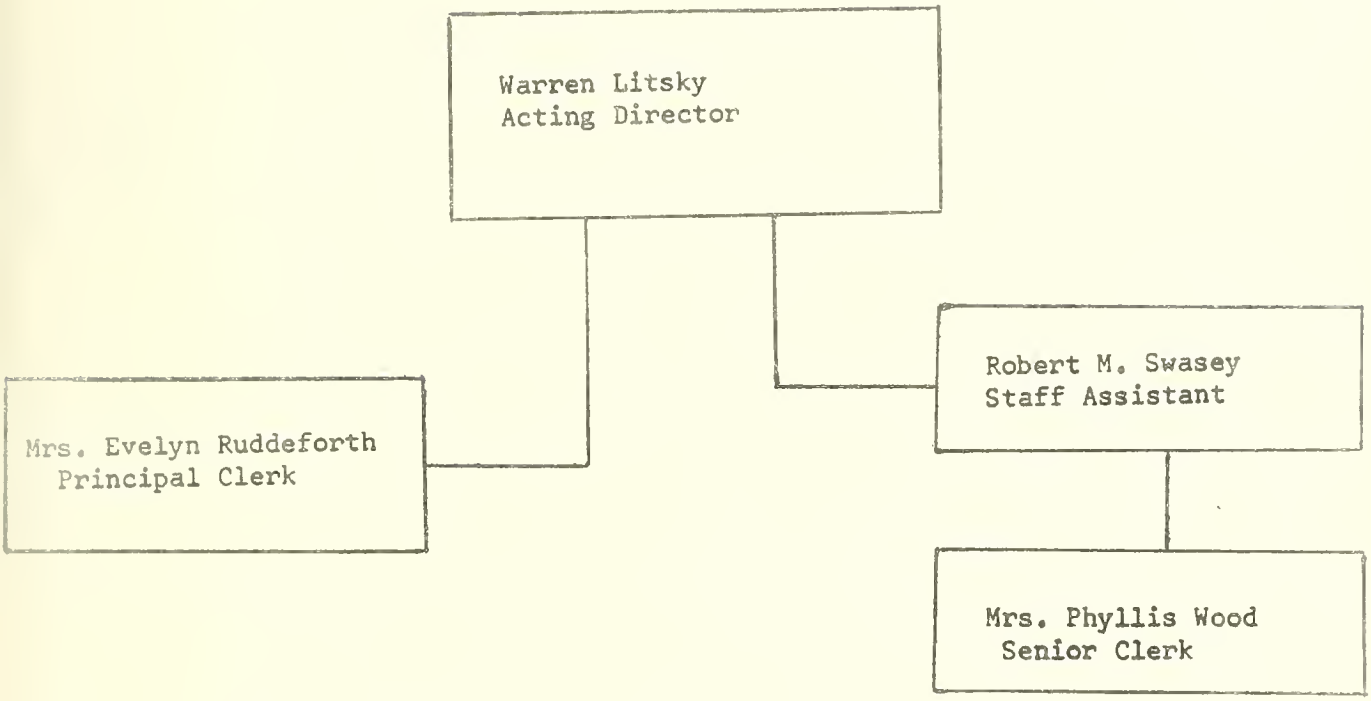
Fiscal 1969

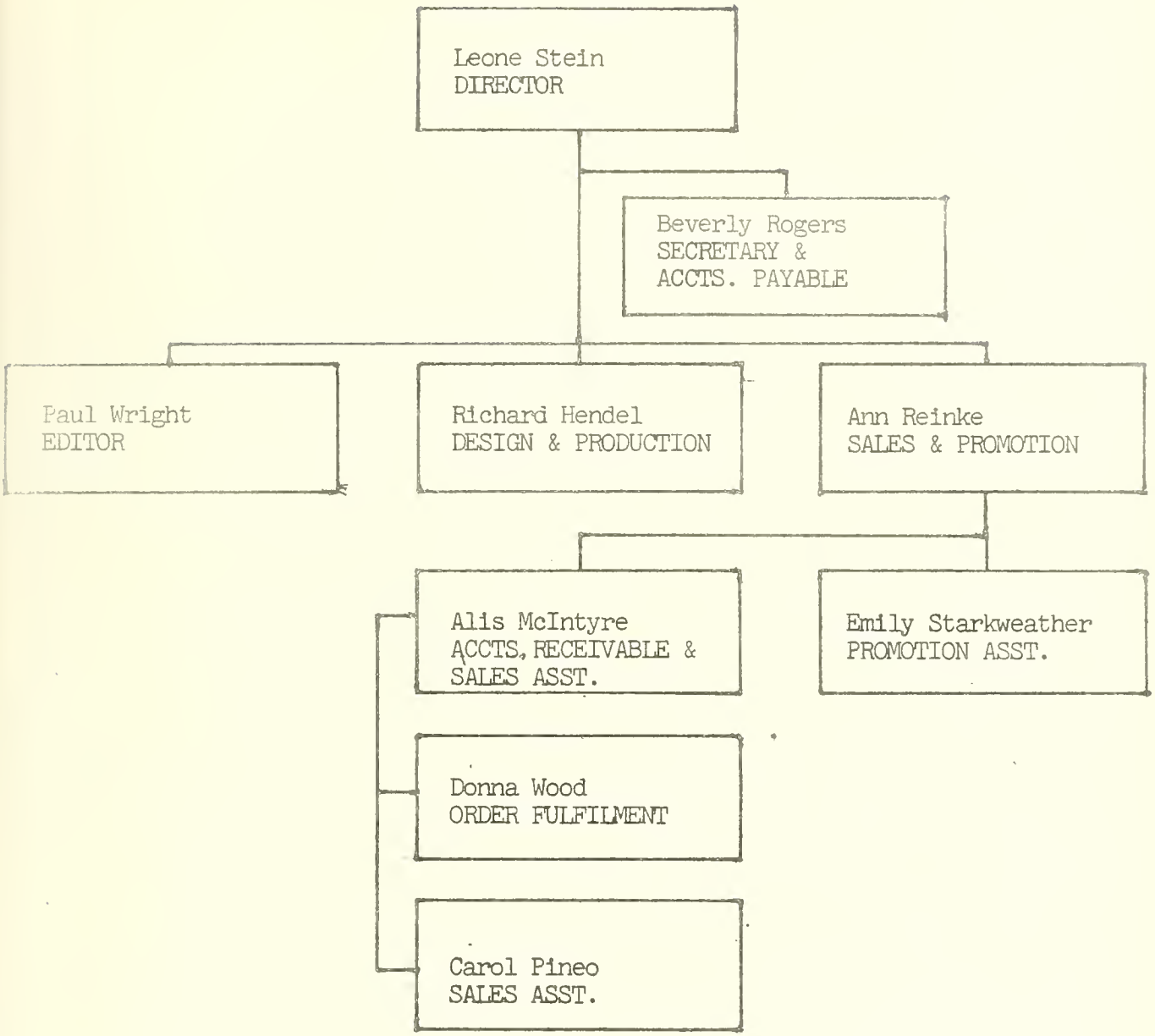
Staff and Organization Chart*



*Note: This does not include names of students added for

S14 Water Resources Research Center




Leone Stein
DIRECTOR
Beverly Rogers
SECRETARY &
ACCTS. PAYABLE
Paul Wright
EDITOR
Richard Hendel
DESIGN & PRODUCTION
Ann Reinke
SALES & PROMOTION
Alis McIntyre
ACCTS. RECEIVABLE &
SALES ASST.
Emily Starkweather
PROMOTION ASST.
Donna Wood
ORDER FULFILMENT
Carol Pineo
SALES ASST.

S16 Office of Research Services

Glass Shop

Gordon Good
Glassblower

Larry Williams
Assistant Glassblower

Joseph Walas
Apprentice Glassblower

Electronics Shop

Albert D. King
Electrician

Secretariat

Mrs. Andrea Bassignani
Typist

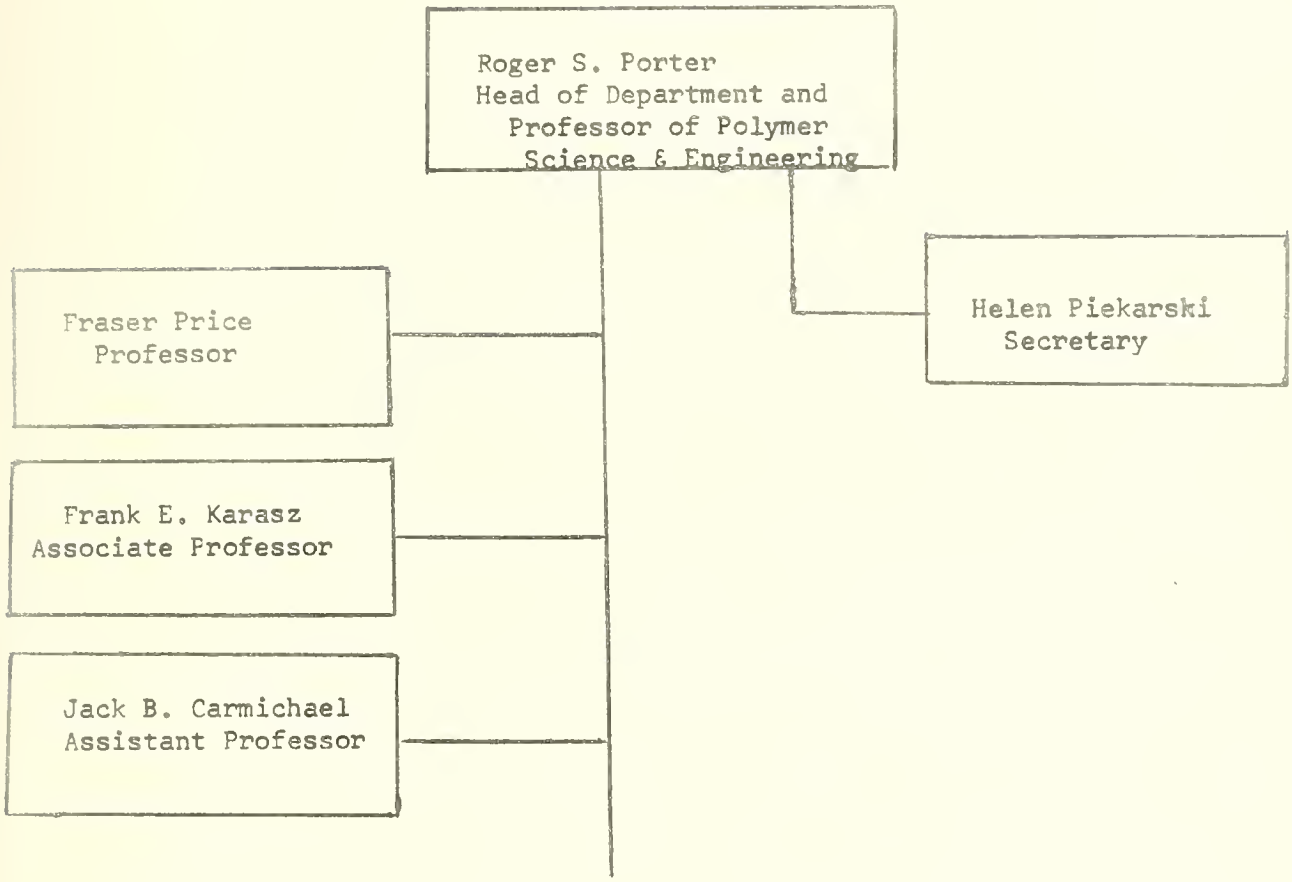
Mrs. Joyce Emerle
Typist

Micro-analysis Laboratory

Charles Meade
Chemical Analyst

Miss Barbara J. Smith
Chemical Analyst

S-17 Polymer Science & Engineering



4) Students or clientele served in the various branches of this office area:

a) Graduate School:

	66-67	67-68	68-69
Enrollment (fall)	2514	2835	3107

Admissions Data	1967	1968	1969
Inquiries Received	15,889	16,631	24,386*
Applications Processed	6,275	7,804	7,817
Accepted	3,681	4,372	4,852

b) Office of Research Services

	Hours of Use			Number of Depts Served		
	'67	'68	'69	'67	'68	'69
Secretariat	2033	1969	2102	20	22	30
Electronics Shop	980	586	755	18	16	19
Glass Shop	2403	2155	1965	19	24	25
TOTAL	5416	4710	4822	57	62	74

*Includes inquiries by mail and at Graduate School Admissions Office.

5) Major accomplishments:

a) During 1968 the Graduate program produced 71 Ph.D.'s and 558 Master's degrees.

The statistics for the last five years are:

	1965	1966	1967	1968	1969
Doctoral	36	48	69	71	123
Master's	279	419	507	558	651
	315	467	576	629	774

b) New doctoral programs were added in Education, Human Movement, and Ocean Engineering. The addition of these programs brings the number of doctoral programs to 44.

c) New Master's programs were added in Art History and Ocean Engineering. We now offer a Master's degree in 61 areas.

d) Once again we can report an increase in the number of Fellowships available to graduate students almost entirely through the support of the Federal government. The severe cut-back in Federal budgets we are now experiencing has created a critical situation in regard to graduate fellowships for 1969-70. The failure to develop state support for fellowships has been a serious problem in the past; it promises to be an even greater problem in the future.

Fellowships:	Federal	State	Industry	Total
1967	225	46	21	292
1968	319	23	7	349
1969	376	36	5	417

e) The research activity of the University for the past year is reflected in the following data:

Research Activity:

	Fiscal '68		Fiscal '69	
	Number of Grants	Amount of Income	Number of Grants	Amount of Income
External support				
Research grants	279	$2,688,677	132	$3,906,518
Training grants	20	516,477	29	1,588,212
Equipment grants	7	63,875	6	103,700
Facilities grants	1	2,000,000	1	64,394
Total	307	$5,269,029	168	$5,662,824
University support				
Faculty research grants	135	62,000	129	60,667
Faculty growth grants	23	23,000	25	25,000
Total	158	$85,000	154	$85,667
GRAND TOTAL	465	$5,354,029	322	$5,748,491

30 May 1969

Annual Report - Computer Science Program

The past year has probably been the most successful year in the history of Computer Science, the accomplishments of the staff and students being notable and in many instances having an effect on the whole campus.

Of major importance must be the establishment of the Computer Science laboratory in the Engineering Building East with two computers, two teletypes into the CMASS time sharing system and the acquisition of two computer techniques demonstrating devices. The main computer system in the laboratory consists of the prototype PDP-1B computer originally built by the Digital Equipment Corporation as a test bed for their in-house developments of computers. The machine was subsequently used by Bolt, Beranek and Newman, of Cambridge, for the development of the first commercially available time sharing system. Besides its historical and proven value, this machine was chosen for its extensive range of peripheral devices which enables the Computer Science Program to give a more varied education than was available using the devices previously available on campus.

Included in the equipment attached to the PDP-1B are two CRT display scopes capable of both character and line diagrams, a light pen for the manual input of two dimensional diagrams, a Grafacon tablet for the second means of graphical input, a Vermont Research drum capable of storing 90,000 words of information, a 16 channel remote console multiplexor, a 20 channel analog to digital converter, 6 channels of digital to analog converters (four of which are used to drive the CRT display scopes), 18 channels of relay registers, and an IBM compatible magnetic tape drive. This plethora of auxiliary equipment makes the possible applications of the computer boundless.

Apart from the availability of this varied equipment, the presence of this machine for Computer Science Research takes a considerable load off the Research Computing Center. Plans for future uses of this computer include the simulation of a process control system using a model railroad presently installed in the laboratory and the development of a "private" time sharing system specifically designed to give students the experiences of designing and implementing such systems. It is hoped that this system will support at least 8 terminals and will be capable of having several different types of terminals attached on an experimental basis. For example, it is hoped that work can be funded in order to gain experience in the design and implementation of a computer aided instructional system, using the elementary courses in Computer Science as guinea pigs. For this purpose a combination of graphical displays and keyboards will be needed.

Although the PDP-1B has formed the focus around which much work has been conducted, the expansion of the University time sharing system has continued under the leadership of Dr. C. C. Foster who returned this year after a leave of absence at the University of Edinburgh. This work can be divided into two specific areas; an evaluation of the existing system and modelling the behavior of the system with new techniques of implementation, and implementing new features which will enhance its usefulness. These latter developments include the ability to perform system commands during the running of a program, thus giving access to user stored files and linking programs together so that the programs run, can far exceed the present storage capabilities of the system, and the development of a mode of operation by which more than one user can be linked into the same program. By this latter development, it will be possible for the UMASS system to run educational games,

such as business games, where there is an interaction between several users, or to provide the basic facilities for an extensive information retrieval system wherein the stored data is immediately available to all users, or to run experiments where many simultaneous results are gathered.

Research has also continued, under the sponsorship of the National Science Foundation, led by Dr. J.A.N. Lee, to develop a technique whereby users of the UMASS timesharing system can describe their own languages for programming which may be better suited to their particular needs.

This technique, which is not available on any other time sharing system, will enable the systems programmers to experiment with new languages more easily and quickly, and without the necessity to wait for reserved periods of time thus degrading the usefulness of the system to the University community. Although only the first phase of this implementation is currently available on the UMASS time sharing system, a simulated system is operational and will be implemented during the next year. Already the system has been used by Computer Science students to test the suitability of a language for use at a terminal and in one instance to define a language which was being implemented by a student as part of a thesis project.

During the Fall semester 1968, a group consisting of the four faculty members and six students, met in weekly session to overlook the present curriculum in Computer Science from freshman level to the master's program. As a result of many meetings and discussions, the group developed a new program in Computer Science leading to the Ph.D. degree and developed the curriculum for a new program in Applied Computational Analysis at the master's level. These proposals were presented in a report to the Dean of the Graduate School. Although the Computer Science program has been given permission to amend its

Master's programs, the approval of new courses and the establishment of a Ph.D. program has been held in abeyance pending the result of discussions concerning the administrative place of Computer Science within the University.

Recognizing that the needs of the Computer Profession require that more undergraduate students be given a program of study in computer related areas and that the present impact of computer technology on the society requires that a fundamental knowledge of computers and computational techniques be part of liberal education, the faculty of the Computer Science Program recommended to the Dean of the Graduate School and to the Dean of the College of Arts and Science, that a Department of Computer Science be established within the College of Arts and Science as soon as possible.

Parallel to this recommendation, the faculty recognized that a meaningful program in computer science covering the whole range of education from the freshman year to a doctoral program is not possible with the anticipated staff in the next few years. Thus it was proposed that the Computer Science Department restrict its activities to those which are central to the discipline and co-operate with the many other departments on campus to jointly develop courses in areas where there might be similar interests. Such a co-operative program would include the Departments of Linguistics, Philosophy, Electrical and Industrial Engineering, Mathematics and the School of Business.

During the past fiscal year, the Computer Science Program, in co-operation with the Research Computing Center established a publication series being the initial reports of research projects, proposals for projects or reprints of articles by the faculty originally published elsewhere. The demand for these Technical Notes has been exceedingly high, several having been re-

printed to meet the demand. The circulation of one such Technical note included reprinting in the quarterly report of the Business Equipment Manufacturers Association, the Department of the Navy Computer Reports and the Australian Standards Association Report. It is intended to continue with this program of publications and to include in future issues condensations of thesis projects and descriptions of implemented systems. The current list of Technical Notes is attached hereto.

Publications in technical journals has continued at its previous high rates, the details of which will be found in the Graduate School Newsletters. Presently, four papers by the faculty have been accepted for publication in the next few months, and others are in the process of preparation. Two manuscripts developed by Drs. Foster and Lee respectively, have been accepted for publication. These will represent the third and fourth books published by members of the Program since 1967. Dr. Lee's book, "The Anatomy of a Compiler" has been adopted by the majority of Computer Science Departments in the USA and has been accepted by International Business Machines Corp. and the Radio Corporation of America as the primary text for in house software training programs. This book is now in its second printing.

Contacts with other Institutions and bodies has been enlarged, there being a continual call for talks and demonstrations to these groups. In his position as Director of the Research Computing Center, Dr. C. Wogrin has given the University widespread publicity with respect to our time sharing system and has represented the University as a Member of the Executive Committee of the New England Regional Computer Program. Dr. Lee was elected to the Vice-Chairmanship of the Joint Users Group, a national body which co-ordinates the activities of all machine oriented User Groups but resigned this position in March 1969 on his appointment to the Chairmanship

of the Standards Committee of the Association for Computing Machinery, and as a member of Committee (Computers and Data Processing) of the United States of America Standards Institute.

The Research Grants received during the fiscal year have included two awards to Dr. Wogrin for the operation of summer institutes in connection with the Engineering Concepts Curriculum "Man Made World" (grants GW-2768 and GW-3681) and an award to Dr. Lee for the development of "Syntax Directed Time Sharing System" (grant GJ-60).

Gifts to the Program include an overhead projector for a teletype from Bolt, Beranek and Newman, for experiments in the real time use of computers in Computer Science classes, a flexowriter, also from Bolt, Beranek and Newman, and a Telecopier from Xerox Corporation, to develop a means of producing high quality multi-tone pictures from a computer. For these we are extremely grateful.

Attachments:

1) List of Technical Reports
2) List of Faculty
3) List of graduated students

TECHNICAL NOTES

The following TECHNICAL NOTEs are now available at the Research Computing Center. They are:

TN / RCC / 001	UMASS A Modest Time-Sharing System for the CDC-3600 by Caxton C. Foster, Robert L. Hambleton, David W. Stemple (May 20, 1968)
TN / RCC / 002	Memory Use Analysis by Program Interpretation by Robert H. Gonter (May 1969)
TN / CS / 00001	Current Research Toward the Standardization and Formal Definition of PL/I by John A. N. Lee (April 1, 1968)
TN / CS / 00002	Discrete Markov Chains: An Heuristic Approach by Sue N. Stidham (July 1, 1968)
TN / CS / 00003	The Domelki Syntactic Analysis Algorithm by Susan L. Gerhart (August 28, 1968)
TN / CS / 00004	A Survey of Hashing Techniques by John A. N. Lee (September 15, 1968)
TN / CS / 00005	The Recognition and Use of Null Elements in a Syntax Directed Translator by John A. N. Lee (September 19, 1968)
TN / CS / 00006	SYNFUL, A Proposed General Purpose Translator System by John A. N. Lee (October 1, 1968)
TN / CS / 00007	Sorting Almost Ordered Arrays by Caxton C. Foster (November 18, 1968)
TN / CS / 00008	Vienna Definition Language - Semantics by John A. N. Lee (December 13, 1968)
TN / CS / 00009	An Examination of Two Hash Transforms by Caxton C. Foster (May 9, 1969)

Attachment 2) Computer Science Faculty

Current Full Time Faculty:

John A. N. Lee, Head and Professor
Caxton C. Foster, Professor
Sue N. Stidham, Assistant Professor
James Bouhana, Temporary Instructor (Spring Semester 1969)

Joint Appointments:

Conrad A. Wogrin, Professor of Computer Science
Director of the Research Computing Center
Frederick D. Stockton, Associate Professor of Computer
Science and Civil Engineering
Robert R. Archer, Professor of Computer Science and
Engineering (on leave 1968-69)
John Ulrich, Assistant Professor of Computer Science
and Education (full time starting Sept. 1969)
Jack Peterson, Lecturer, Computer Science and Research
Computing Center (appointed Feb. 1969)

Attachment 3) Students Graduated 1968-69

Name	Thesis Title
Thomas E. Deeley	Decomposition of Transition Systems
Helen M. Gigley	The Inclusion of Context Sensitivity in Left-Right Syntactic Analysis and Recognition
Sharyn Roney	Implementation of a Tree Interpreter for Formal Definition
Yuan-Jen Tung	Numerical Study of Equations Arising in Non-Linear Wave Propogation in Beams
Delmore H. Wu	A Formal Definition of Semantics of UMASS BASIC

RESEARCH COMPUTING CENTER

ANNUAL REPORT

1969

INTRODUCTION

The computer use of the campus continued to increase in the pattern of previous years. User requests for services demand developments by the staff of the center, and innovations of the staff are quickly utilized by the campus users. The growth in the activities are much greater than the mere growth in campus size. While the campus population increases by 10 per cent, computer use increases by 30 per cent.

The most apparent growth during the year has been the installation of a second CDC 3600 in January 1969 which doubled the computing hardware. With the addition, the computing center was able to improve the services offered to the users: faster turn around, lower down time, larger machine configurations, and full-time time-sharing service.

The UMASS time-sharing service became a mature system in its second year. Reliability is very high; it is available to users except between the hours of midnight and 9 a.m. The systems provided serve a wide class of users. The users themselves matured in the use of time sharing and is reflected in a noticeable reduction in the number of short jobs run on the time-sharing system. Student work has been largely shifted to the teletype access to the computer.

A. Accomplishments

The installation of the second CDC 3600 was accomplished in December and January. The center closed down on December 20, 1968. A

target date of January 10, 1969, to return to service was missed due to delays in the building, and air conditioning remodeling, and in the delivery of the machine. The services were re-established on January 22, 1969, on a limited basis. The center was in full operation by February 1, 1969. The machine was formally accepted from Control Data Corporation on February 4, 1969.

The configuration of hardware now consists of

2	Central Processing Units
3	Storage Memory Units of 32,768 words each
2	Communication Modules with 3 channels each
4	Magnetic Drums
3	Disk Drives
8	Magnetic Tape Drives
2	Line Printers
2	Card Readers
1	Card Punch

With this equipment, various configurations can be made up to offer a variety of services; and failure in single units do not stop computing operations. During the day and evening hours both batch processing 32K of core and time-sharing services are offered. After midnight, configurations for jobs requiring large amounts of core and large numbers of tape units can be made up.

Development work now in process will provide in the near future even better utilization of the hardware. Under batch operations, it is expected to be able to service jobs requiring as much as 98,304 words of core memory, 4 drums and 8 tape drives. On the time sharing, it is planned to offer 8,192, 16,384 or 32,768 words of core on request from the user.

B. DRUMSCOPE

For batch operation under the DRUMSCOPE system, a considerable improvement was realized. The operation is now a complete spooling

operation. Jobs are fed into the machine as soon as possible after they are submitted. The sequencing of jobs is handled by a priority system internal to the machine. The machine operators are able to direct the machine from commands entered through the console typewriter.

The library of systems available to users has been extended to include LISP, MIMIC, SYMSCRIPT and JOBSHOP. In preparation and soon to be available are SNOBOL and GPSSIII.

C. Time-Sharing UMASS

During the first half of the year, the work on the UMASS time-sharing system was devoted to corrections and additions to bring the reliability and responsiveness of the system to a high level. Once this was accomplished, a major project of designing the APL sub-system was undertaken. The work has progressed rapidly and has reached a point, whereas, by the end of the year operation of the system could be sheduled for the fall of 1969. The addition of this system adds a very powerful language to the FORTRAN and BASIC already available. Two new languages CATS, a circuit analysis language, and MIX, an assembly language, are also under development for the system. Also, students in the Computer Science program are working on COMPASS. With these developments, the University of Massachusetts faculty and students have as good a service as is available on any campus in the country.

D. Applications Programming Service, Consulting, and Library

The Applications Programming Service started in 1968 developed further during the year. Nearly 900 hours of programming was done for customers on thirty different projects. Consulting with users on problems of computing has continued at a high rate. The program library has been improved by the addition of new programs obtained from users,

from the manufacturers, and from other computing centers.

A major development completed by the applications staff this year is a program for data description, frequency counts and cross-tabulations.

Six frequently used programs of the Biomedical library of programs were placed in the system library so they can be requested by control cards.

Auxillary services such as arrangements for converting paper tape to magnetic tape, and programs to correct and convert the magnetic tape to useable form were provided for customers.

Various programs for record keeping, accounting, billing, and reporting of the center itself were developed or improved during the year.

Summary

In summary, the staff of the computing center feels they have had a full year with many accomplishments. Their work has been largely well received by the users. Those who use the center seem satisfied with the services provided and in turn are able to offer many suggestions or make reasonable requests for our future enlargements.

Evaluation

Although the main computer facility is large enough to meet our needs over the next few years, attention must now be given to the peripheral equipment. Needed immediately are equipment for curve plotting, conversion of paper tape to cards and magnetic tape. The time-sharing system requires equipment to handle both more ports and terminal devices other than teletype. Some of this equipment will be added during the coming fiscal year. All of it could be handled if funds were adequate.

The second computer made a marked difference in the performance of the center and the manner in which the center was used. It should be

noted on the four-year processing chart that the total number of batch jobs was less in fiscal 1969 than in 1968; 78,400 as compared to 84,491. Although an accurate record of time-sharing runs is not available for fiscal 1968, the total is less than 100,000. Thus we had 308,437 during 1969 and less than 100,000 in 1968. What does not show on the chart is that the average of batch jobs in 1968 was less than one minute per job; the average in 1969 was approximately 2.5 minutes per job. Thus slightly fewer total jobs required about twice the computer time. What is very clear is that the short job is going to the time-sharing system. This is probably most of the student activity.

Staff

The staff remained constant in size from the previous year but several significant changes in personnel occurred.

Mr. Robert Hambleton, the Associate Director, resigned in August and was sorely missed. Mr. David Stemple, System Analyst, went from full-time to half-time for the year and resigned totally in June 1969. With the leaving of these men and Professor Foster devoting his full-time to Computer Science, the three men who conceived, designed and implemented the time-sharing system had left the center. Fortunately, the abilities of those remaining were under the able supervision of Miss Judy Smith to carry on the work.

Mr. Robert Gonter was promoted to Associate Director with all user programming services coming under his direction. The organization chart is shown in the Appendix.

Budgeting

Whereas the year started with a budget anticipating an expenditure of approximately $750,000, the NSF institution's limitation and reduction in supported research required very careful attention to the expenditures by

the computing center. The computing center was able to end the year with a surplus in the Computer Trust Fund of $76,000.

A summary of the budget is included in the Appendix.

A P P E N D I X

RESEARCH COMPUTING CENTER

Annual Report

Fiscal 1969

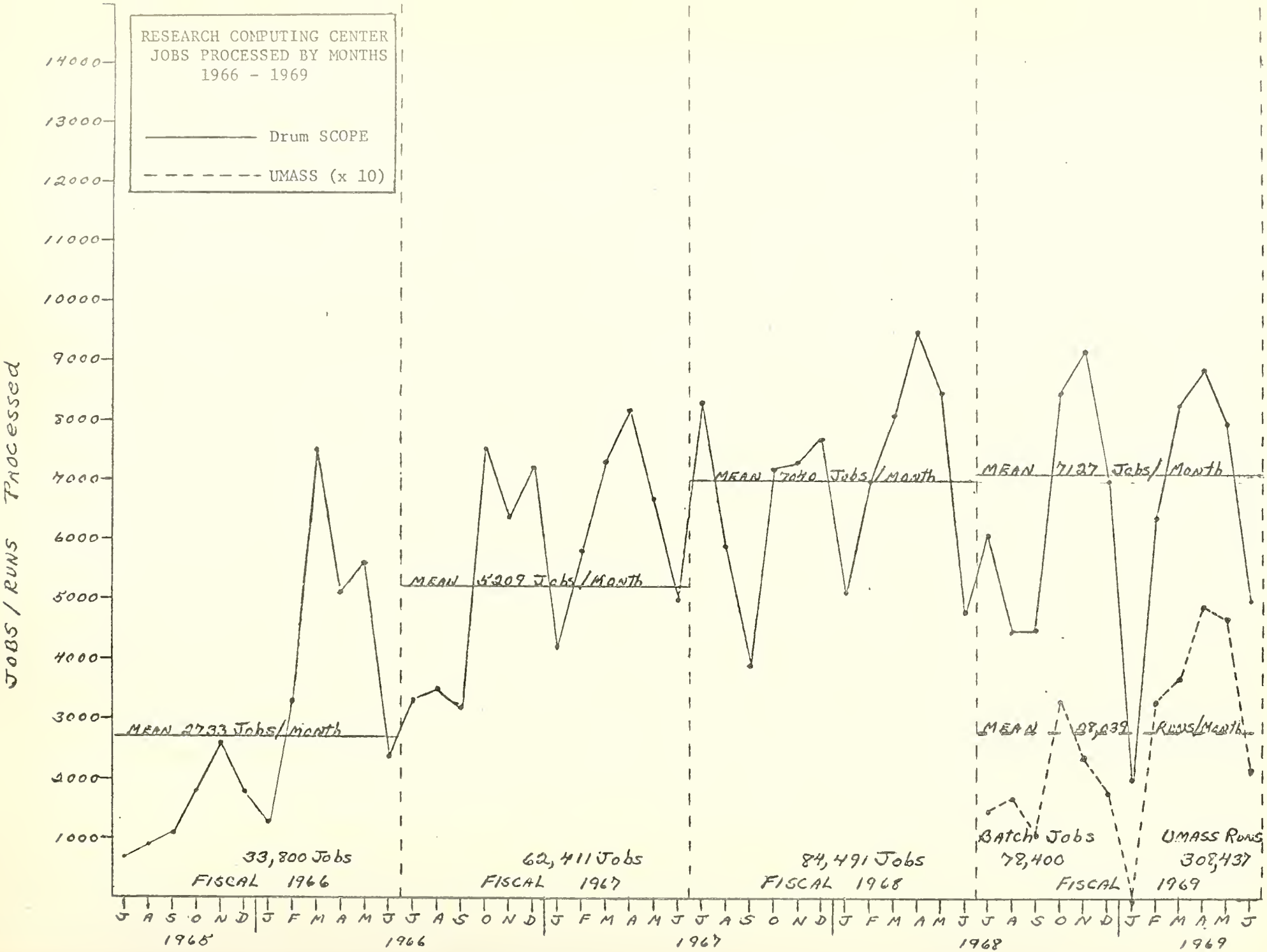
SUMMARY

1. OPERATIONAL EXPNESES AND INCOME

a. Sources:	Research Trust Fund and Trust Fund Interest	$400,000	
	Computer Trust Fund	94,975	
	State Funds	106,498	
	Institutional Allowance Acct.	12,000	
		613,473	
b. Expenses:	Personnel	236,167	
	Rentals and Equipment	264,528	
	Supplies and Maintenance	49,319	
	Miscellaneous	5,233	
		555,247	
c. Income:	Computer Trust Fund User Fees		$94,974.46
	State Funds - Acct. 13 Sale of Supplies		2,979.46
			$97,953.92
d. Total Billing for Computer Time		$724,981	

2. BATCH SYSTEM USAGE

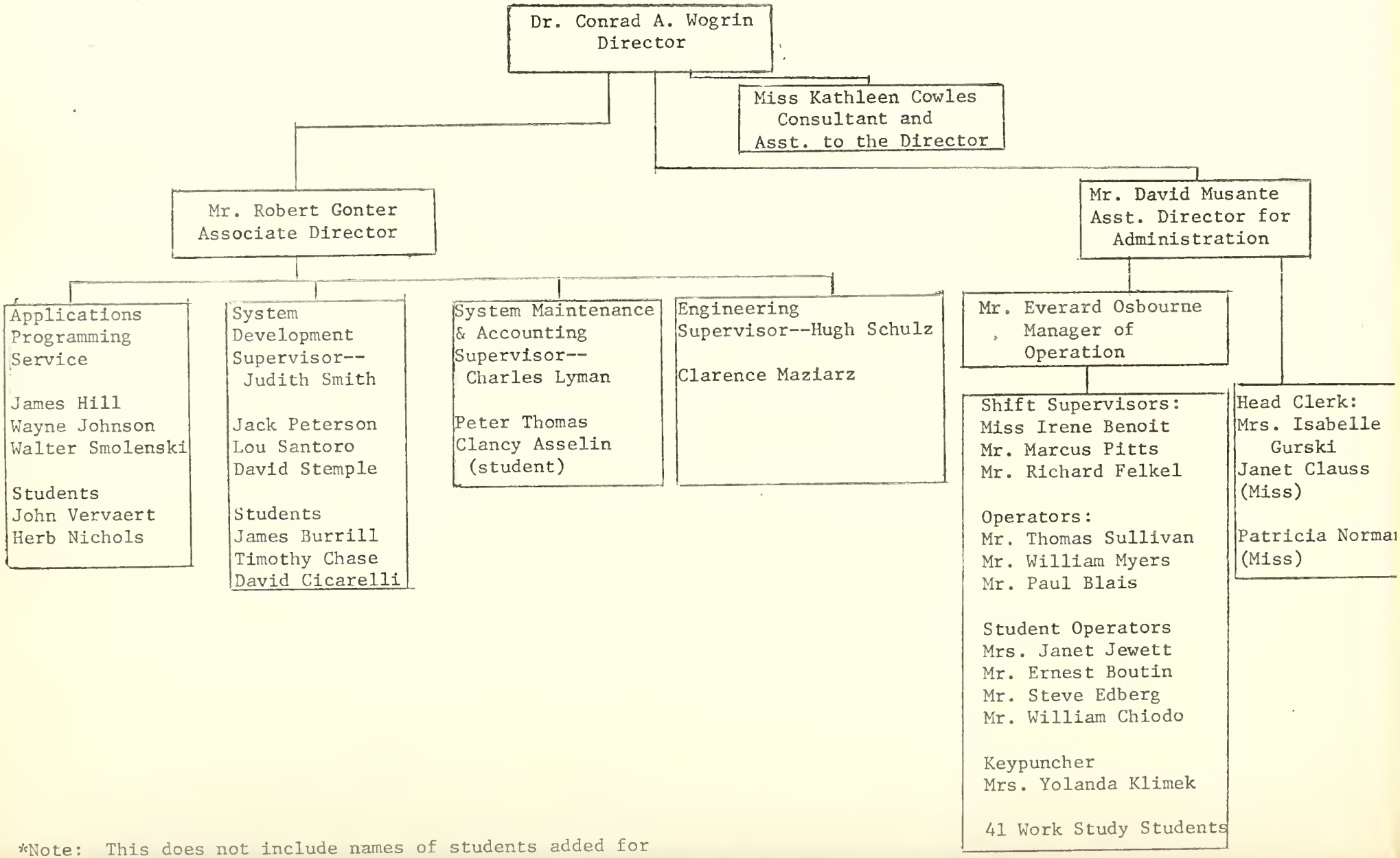
a. Total Number of Accounts			886
Accounts by type:	Faculty	416	
	Student	251	
	Course	172	
	Administration	19	
	Other	28	
b. Academic Departments Served			47
Total Number of Students Served			3,137
Total Faculty Served			612
c. Number of Jobs Run under DRUMSCOPE			78,400


RESEARCH COMPUTING CENTER
JOBS PROCESSED BY MONTHS
1966 - 1969
Drum SCOPE
UMASS (x 10)
JOBS / RUNS PROCESSED
14000
13000
12000
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
MEAN 2733 Jobs/Month
MEAN 5209 Jobs/Month
MEAN 7040 Jobs/Month
MEAN 7127 Jobs/Month
MEAN 18,639 Runs/Month
33,800 Jobs
FISCAL 1966
62,411 Jobs
FISCAL 1967
84,491 Jobs
FISCAL 1968
Batch Jobs
78,400
UMASS Runs
308,437
FISCAL 1969
J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J
1965
1966
1967
1968
1969

RESEARCH COMPUTING CENTER

Fiscal 1969

Staff and Organization Chart*



*Note: This does not include names of students added for summer nor new staff members.

REPORT OF C. A. WOGRIN

1. Courses Taught

Fall, 1968	Computer Science 270/570	13 undergrad/ graduates
Spring, 1969	Computer Science 131	60 undergrad.
	Honors Colloquia-- "Technology and Society"	6 undergrad.

2. Research Projects

The principal investigator of National Science Foundation grant (GW-2768) to the University (June 24, 1968)-(June 30, 1969). Summer Institute Engineering Concepts Curriculum "Man Made World".

The principal investigator of National Science Foundation grant (GW-3681) to the University (June 15, 1969 - June 30, 1970). Summer Institute Engineering Concepts Curriculum "Man Made World".

3. Professional Activities

Chairman of Mater's thesis committee for Delmore H. C. Wu (completed May, 1969)

Chairman of Master's thesis committee for Thomas E. Deeley, Jr. (completed May, 1969)

Executive Committee, New England Regional Computer Program

4. Conferences Attended

April 1969	AAUP (Association of American University Presses, Inc.) on Information Science and Publishing; Chicago, Illinois

5. Papers Presented

November-December 1968	"Technology and the Underdeveloped Countries" "Technology and Crisis Diplomancy"--series of eight lecturers at Fletcher School of Law and Diplomacy, Tufts University, Medford, Mass.
January 1969	"The UMASS Time-Shared System"--Regional Meeting and Workshop, New England and New York State, Use of Computer Programs in Electrical Engineering Education, University of Massachusetts, Amherst.
January 1969	"Computers and the Legislative Process"--Second Conference for Massachusetts Legislators, University of Massachusetts.

March 1969	"The Future of Computers in Manufacturing Industry"--Conference on Materials, Materials Processing and Manufacturing, University of Massachusetts.
April 1969	"Technology, Education and Society"--NSTA (National Science Teachers Association), Westfield State College (NSTA's Silver Symposium).
April 1969	"The Man Made World"--ECCP (Engineering Concepts Curriculum Project) Pittsfield, Mass.
May 1969	"Time Sharing Computer System"--ASTM (American Society for Testing and Materials), New England District Spring Meeting, Boston, Massachusetts.
May 1969	"Concepts and Purposes of Time Sharing"--Academic Clinical Laboratory Physicians and Scietists, Yale-New Haven Medical Center, New Haven, Conn.

Staff Activities

Robert H. Gonter

1. Courses Taught:

FORTRAN IV	September, 1968	4 lectures, plus labs
	February, 1969	4 lectures, plus labs
	April, 1969	8 lectures (open)
SIMSCRIPT	March, 1969	6 lectures

2. Publications:

Published article on Earth Homes in The Modern Utopian magazine.

Published paper on Memory Use Analysis by Program Interpretation Technical Note: TN/RCC/002, Research Computing Center, Computer Science.

3. Activities:

Audited course in Fundamentals of Experimental Design.
Visited University of Connecticut Computer Center, Storrs, Connecticut.
Visited Notre Dame Computing Center, South Bend, Indiana.
Visited Stanford University Computing Center, Stanford, California.

4. Conferences Attended:

October, 1968	COOP, CDC Users Group, Newport Beach, California.
March, 1969	Attended meeting on computers given by IBM (International Business Machines Corporation) Poughkeepsie, New York.
March, 1969	Manufactures Meeting on computers given by CDC (Control Data Corporation) Killington, Vermont.
May, 1969	Attended meeting on computers by SDS, (Scientific Data Systems,) Dedham, Mass.
May, 1969	Spring Joint Computer Conference, Boston, Mass.

5. Papers/Talks given:

October, 1968	talk on Rammed Earth Houses in Korea to UMass Landscape Architecture Club.
May, 1969	presented paper entitled "Memory Usage Analysis through Program Interpretation" at FOCUSI, CDC Users Group, St. Paul, Minnesota.

Charles Lyman

1. Activities:

UMass Representative to FOCUS (Control Data Corporation Users Group) --Chairman of Upper 3,000 Main frame Group.

2. Conferences Attended:

October, 1968	22nd Semi-Annual Conference of COOP, Newport Beach, California.
May, 1969	FOCUSI, CDC Users Group, St. Paul, Minnesota
May, 1969	Spring Joint Computer Conference, Boston, Massachusetts.

Judith Smith

1. Conferences Attended:

December, 1968	Fall Joint Computer Conference, San Francisco, California.
May, 1969	Spring Joint Computer Conference, Boston, Massachusetts.

From: Water Resources Research Center Date: July 2, 1969

To: Dr. Arthur C. Gentile

Subject: Information for Annual Report -- July 1, 1968 - June 30, 1969.

1. Students Served:

(a) The research projects of the Water Resources Research Center provided financial support to a number of students in several Departments:

	1968	1969	Increase (or Decrease)
Undergraduates -- Student Labor	14	19	+ 5
Graduate Students -- Master's	18	26	+ 8
Graduate Students -- Doctoral	7	20	+ 13
Total	39	65	+ 26

In 1969, graduate students in the following University components received support: Agricultural Engineering, Botany, Chemistry, Chemical Engineering, Civil Engineering, Environmental Engineering, Fisheries Biology, Forestry, Geology, Government, Industrial Engineering, Landscape Architecture, Plant and Soil Sciences, Regional Planning, Sociology, and Wildlife Management.

(b) Faculty:

(1) Director -- Bernard B. Berger was on part-time leave from the University to the Federal Government as a Water Resource Specialist in the Office of Science and Technology. Mr. Berger is also on a fifth-time appointment at the University.

(2) Acting Director -- Dr. Warren Litsky, Commonwealth Professor of Environmental Sciences and Director of the Institute of Agricultural and Industrial Microbiology.

(c) Guidance Committees:

(1) Member, Committee for Philip A. Bentley, Ph.D. Candidate, Department of Botany

Member, Committee for Robert W. Cleary, Ph.D. Candidate, Department of Chemical Engineering

Member, Committee for Peter Meier, Ph.D. Candidate, Department of Environmental Engineering

(2) Please see College of Agriculture Report re Dr. Litsky.

2. Faculty Publications, Research Grants, Research Projects and Other Professional Activities:

(a) Faculty Publications:

In 1969, sixteen articles were published based on projects supported by the Center; in addition, ten papers are in the preparation stage. (Appendix 1)

(b) Research Grants and Projects:

The Center received a grant of $100,000 under Section 100, the Water Resources Research Act of 1964, P.L. 88-379. These funds supported research on 9 projects. (Appendix 2)

The Center received grants totalling $231,430 under Section 101 of the Water Resources Research Act for the support of 3 projects which were initiated July 1, 1968.

The Center received a grant of $17,098 from the Massachusetts Water Resources Commission for State support on 3 existing matching grant projects.

The Center received notification that new awards totalling $106,738 were approved under Section 101 of the Water Resources Research Act for support of 3 additional projects beginning July 1, 1969. (Appendix 4)

Dr. Warren Litsky received a Federal Water Pollution Control Administration grant for $41,969 for a Summer Water Pollution Institute for High School Teachers -- this program was initiated this past June.

3. Major Accomplishments:

The program of the Center is concerned with important regional problems, and in particular those that are retarding a desirable use of the State's water resources. The Center's objective is threefold:

(a) To identify and define the major problems and to support research directed to their solution.

(b) To provide information to agencies and individuals participating in decision-making related to the State's water resources.

(c) To assist in training of specialists for careers in water resources development and management.

During this past year, the Center has directed its program along these lines and it is hoped that through its research and its cooperation with other individuals and agencies, these objectives were met.

4. Special Projects:

The Center initiated a program of cooperative research with other colleges and universities within the Commonwealth through funds provided by the Office of Water Resources Research. Smith College and Springfield College were awarded grants this past year under Section 100 of the Water Resources Research Act and Northeastern has been notified that they will receive a grant beginning July 1, 1969. Massachusetts Institute of Technology has received notification that they will receive a grant totalling $17,860 under Section 101. All of these grants were or will be awarded through the Water Resources Research Center at the University.

5. Future Plans and Needs:

Hopefully within the next year a plan to provide a graduate program in the field of water resources will be submitted to the Graduate School. This program, which will lead to an M.S. degree, will be directed to the needs of professional workers now engaged in water resources management and those preparing for careers in water resources management.

6. Facilities:

The need of facilities for the Center remain the same as what was reported last year, that of office space in one building rather than two as it presently exists.

PUBLICATIONS

July 1, 1968 - June 30, 1969

Berger, Bernard B.
1968 (a) The natural cycle of water reuse. Water and Wastes Engineering, August. 4 pages. (Admin.)

(b) Recent developments in environmental pollution. Massachusetts Physician, September. pp. 56-60. (Admin.)

(c) Water research problems in the state of Massachusetts Vtei Monthly Journal, International Edition, Vol. 10, No. 8 (Czechoslovakia). pp. 2-7. (Admin.)

Berger, Bernard B.
1969 Pollution. Encyclopedia Americana Annual, 1969. pp. 549-551. (Admin.)

Clayton, J. T. and T. H. Feng.
1969 Aerobic digestion of diluted animal manure in closed systems -- temporary expedient or long-range solution? Proceedings, Cornell University Animal Waste Management Conference, January 13-15, 1969. Syracuse, New York. (A-009-MASS)

Cole, Charles F.
1968 Pesticide monitoring study in winter flounder inhabiting the Weweantic estuary in Massachusetts. Proceedings, Training Course on Mosquitoes, Biting Flies, Ticks and Safe Pesticide Application, December 12-14, 1969. Westboro, Massachusetts. pp. 57-62. (A-019A-MASS)

Cole, Charles F.
1969 (a) Research on estuarine fishes and pesticide residues in Massachusetts waters. Proceedings of the Public Meeting, October 8, 1968. Boston, Massachusetts. National Estuarine Pollution Study, FWPCA, pp. 81-85. (A-019A-MASS)

(b) Can mortality rates be determined for estuarine ichthyoplankton populations? Symposium on eggs, larvae and juvenile stages of fishes in Atlantic Coast estuaries, June 11, 1968. Charleston, South Carolina. To be published by Bureau of Sport Fisheries and Wildlife, U.S. Fish and Wildlife Service. (A-019A-MASS)

Coler, R. A.; H. B. Gunner and B. M. Zuckerman.
1968 Tubificid sensitivity to streptomycin. Transactions of the American Fisheries Society, Vol. 97, No. 4. pp. 502-503. (A-020-MASS)

PUBLICATIONS, CONT.

Coler, R. A. and H. B. Gunner.
1969 (a) Microbial populations as determinants in protozoan succession. Water Research, Pergamon Press, Great Britain. Vol. 3. pp. 149-156. (A-020-MASS)

(b) The rhizosphere of an aquatic plant (Lemna minor). Canadian Journal of Microbiology. (In press). (A-020-MASS)

Coler, R.A.; H. B. Gunner and S. A. Zatyrka.
1969 Bacteria-free algae. Bacteriological Proceedings. p. 28 (A-020-MASS)

Erickson, P. A. and J. T. Reynolds
1969 Water Resources Research Center, University of Massachusetts Publication No. 9. (In press). (B-006-MASS)

Feng, T. H.
1969 (a) A review of the literature of 1968 in wastewater and water pollution control -- benthic deposits. Accepted for publication in the June issue of the Journal of Water Pollution Control Federation. (B-005-MASS)

(b) Sediment-water interchange of plant nutrients in lakes. Accepted for presentation at the Annual Northeastern Regional Antipollution Conference at the University of Rhode Island and for publication in the Conference proceedings. (B-005-MASS)

Forste, Robert H. (Editor)
1969 Excerpts from the 1968 annual report of the Center. Water Resources Research Center, University of Massachusetts Publication No. 8. January. 29 pages. (Admin.)

Giglio, R. J.; D. D. Adrian; F. C. Kominsky; and R. F. Rikker.
1969 A systems approach to waste management. Proceedings, Fourth American Water Resources Association Conference. (In press). (B-011-MASS)

Higgins, George R.
1968 Hydrological studies in Massachusetts. Water Resources Research Center, University of Massachusetts Publication No. 6. 36 pages. (A-003-MASS)

PUBLICATIONS, CONT.

Lebida, Robert C.
1969 Abstract titled "The seasonal abundance and distribution of eggs, larvae and juvenile fishes in the Weweantic River estuary, Massachusetts, 1966". Symposium on eggs, larvae and juvenile stages of fishes in Atlantic Coast estuaries, June 11, 1968. Charleston, South Carolina. (A-019-MASS)

Meier, Peter and George R. Higgins.
1969 Mathematical models of watershed response. Submitted to Fifth AWRA Conference in San Antonio. October, 1969. (B-003-MASS)

Motts, Ward S. and Marvin Saines.
1969 The occurrence and characteristics of ground-water contamination in Massachusetts. Water Resources Research Center, University of Massachusetts Publication No. 7. 70 pages. (A-004-MASS)

Robson, Hope H. and H. B. Gunner.
1969 Differential influence of diazinon on microbial metabolism of carbon substrates. Bacteriological Proceedings. p. 3. (A-020-MASS)

Shen, Almon M.
1969 A hydrodynamic study on scouring and transporting benthic deposit. A special project report, Department of Civil Engineering, University of Massachusetts. (B-005-MASS)

Smith, Roderick M.
1969 Pesticide residues as a possible factor in larval winter flounder mortality. Symposium on eggs, larvae and juvenile stages of fishes in Atlantic Coast estuaries, June 11, 1968. Charleston, South Carolina. (In press). (A-019A-MASS)

Smith, Roderick M. and Charles F. Cole.
1969 The seasonality of chlorinated hydrocarbon insecticide residues in winter flounder, Pseudopleuronectes americanus (Walbaum) from the Weweantic River estuary, Massachusetts. Journal of the Fisheries Research Board of Canada. (In press). (A-019A-MASS)

Whitney, L. F. and F. S. J. Chuang.
1968 Pressurized subsurface systems for the distribution of sewage effluent in the soil. Paper No. 68-405, North Atlantic Region, ASAE, August, 1968. University of Connecticut, Storrs, Connecticut. (A-009-MASS)

WATER RESOURCES RESEARCH CENTER

University of Massachusetts
Amherst, Massachusetts

TITLE	PRINCIPAL INVESTIGATOR	COMPLETION DATE	BUDGET
Allotment Grant Program -- FY-69			
Closed Systems for Animal Sewage Treatment (WR-9)	Dr. J. T. Clayton	June 30, 1970	$ 12,000
Determination of the Feasibility of Removal of Algal Nutrients in Lake Waters by Ion-Exchange (WR-18C)	Dr. O. T. Zajicek	June 30, 1970	5,490
Ecology of the Young Fishes of the Weweantic River Estuary (WR-19A)	Dr. C. F. Cole	June 30, 1969	6,000
Microbial Degradation of Organic Pollutants of Industrial Origin (WR-20)	Dr. H. B. Gunner	June 30, 1970	13,000
Optimum Utilization and Management of Waterbearing Formations Hydraulically Connected to a Stretch of the Connecticut River (WR-21)	Dr. Ward S. Motts	June 30, 1970	8,500
The Role of Aquatic Vascular Plants in the Eutrophication of Selected Lakes in Western Massachusetts (WR-23)	Dr. R. B. Livingston	June 30, 1970	4,600
Evaluation of Discontinuities in Regional Population Projections (WR-24)	Dr. Everett S. Lee	June 30, 1972	2,500

TITLE	PRINCIPAL INVESTIGATOR	COMPLETION DATE	BUDGET
A Study of the Relationship of the Vascular Plant Flora and Vegetation of the Mill River and its Floodplain in Northampton and Williamsburg, Massachusetts to Patterns of Land Use and to the Presence of the Family Pseudomonadaceae (WR-25)	Dr. Elizabeth Robinton (Smith College)	June, 1970	$ 1,200
Surface Waters of a Small City (Apringfield, Massachusetts) (WR-26)	Dr. John W. Brainerd (Springfield College)	June, 1970	1,200
Office of the Director			$ 45,510
TOTAL			$100,000

Projects Granted Awards by the Office of Water Resources Research, Department of the Interior

For Support Beginning July 1, 1968

TITLE	PRINCIPAL INVESTIGATOR	COMPLETION DATE	FEDERAL GRANT
Watershed Response to Hydrologic Influence (WR-B-008-MASS)	Professor G. R. Higgins	June, 1971	$ 38,600
Enhancement of Ecologic and Aesthetic Values of Wetlands Associated with Interstate Highways (WR-B-010-MASS)	Dr. C. A. Carlozzi	June, 1970	63,250
A Methodology for Planning Optimal Regional Waste Management Systems (WR-B-011-MASS)	Dr. D. Dean Adrian	June, 1971	129,580
TOTAL			$231,430

Projects Granted Awards by the Office of Water Resources Research, Department of the Interior

For Support Beginning July 1, 1969

TITLE	PRINCIPAL INVESTIGATOR	COMPLETION DATE	FEDERAL GRANT
A Multi-Variate Model for Public Management of Fresh-water Wetlands (WR-B-012-MASS)	Dr. Joseph Larson	June, 1971	$ 61,888
Planning for Capacity Expansion of Water Distribution Networks (WR-B-014-MASS)	Dr. John C. Schaake (Massachusetts Institute of Technology)	June, 1970	17,550
An Urban River in its Changing Culture (WR-B-015-MASS)	Dr. Carl A. Carlozzi	June, 1971	27,300
TOTAL			$106,738

The University of Massachusetts Press

MUNSON HALL AMHERST, MASSACHUSETTS 01002

ANNUAL REPORT 1968-69

This fall, the University of Massachusetts Press will complete its fifth season of publishing. Five years ago, the Press had one employee and one book in print. Within a year, the staff had grown to four, six books and a journal had been published, and the Press was preparing for membership in the Association of American University Presses.

Titles in print and forthcoming this fall are attached. They indicate that of the authors and editors who have published with the Press, 27 were members of the faculty at the time of publication, and 25 were not. Approximately one-third of the titles were unsolicited, the rest directly solicited or generated by earlier publications and established relationships. These statistics suggest two characteristics of a new press: that its own faculty will be heavily represented on the list, and that an immense effort is required to obtain suitable titles. They do not reveal that, while a new press publishes a high percentage of works by its own faculty, it also loses a large number of works to other presses, until that day when enough members of the faculty are persuaded that the imprint has merit. Nor do the statistics indicate the vast number of manuscripts and projects from which the final publications are culled, nor the care on the part of the Press Committee, which governs the imprint, to evaluate the readers' reports and to recommend general policies and programs.

During the last year, the Committee unanimously reappointed William C. Havard as chairman. It approved a substantial report on Press Policy (attached) drawn up by Professors Howard H. Quint, Wolfgang Paulsen, and

Mr. Kenneth H. Walker, who had been appointed to detail the functions and responsibilities of the Committee, the Press, and the Director, and to make recommendations for developing the Press. The Committee also considered at length the question of journal publication, in light of the increasing number of requests that the Press sponsor journals and the question of Press development. The report of a subcommittee made up of Professors Zube, Weston, Walker, and Paulsen, was approved (attached). A subcommittee consisting of Professors Chametzky, Page and Quint was appointed to work with the Director on her proposal for a series in contemporary autobiography. The series was subsequently approved in principle, with the specification that the works should be by American scholars. Acting Dean of the Graduate School Arthur Gentile was appointed to head a reconstituted committee to develop a series in the life sciences.

During 1968-69 the Committee approved the following works for publication: Horse, Bird, and Man: The Origins of Greek Painting, by Jack L. Benson; Les Shakers Americains, by Henri Desroche, translated by John Savacool and subsidized by The Shaker Community, Inc.; Miscegenation in Virginia and Race Relations in the South, by James H. Johnston, Jr.; A Drunk Man Looks at the Thistle, by Hugh MacDiarmid, edited by Jack Weston; The Selling of Joseph, by Samuel Sewall, edited with an Introduction by Sidney Kaplan; The Little Legislature: Committees of Congress, by George Goodwin; The Uncertain Crusade: America and Russia's Revolution of 1905, by Robert A. Hart and Arthur W. Thompson; a Shaker Bibliography, compiled by Mary L. Richmond; and American Landscapes, by J.B. Jackson, edited by Ervin Zube. Several other works were approved, subject to final editorial review.

For the past several years, the annual report has included excerpts from reviews of Press books, a way of counting blessings. Reviews continue to be

predominantly good, and the Press is not convinced that such a record is insignificant. More persuasive to others may be the interest which commercial publishers and professional associations have shown in Press publications. Norton has purchased paperback rights to Cuba: The Making of a Revolution, by Ramon Eduardo Ruiz. Rizzoli Editore is to publish the work in Italian. M.I.T. Press is purchasing paperback rights to Studies in the Philosophy of Charles Sanders Peirce, Second Series, edited by Edward C. Moore and Richard S. Robin. Richard Haven's Patterns of Consciousness: An Essay on Coleridge is a Scholars' Book Shelf selection of the Modern Language Association, an arrangement effected by Paul Wright, Press editor. The Book of the American Woodcock, by William G. Sheldon, received honorable mention by the awards committee of The Wildlife Society.

The design and production of Press publications received outstanding recognition this year. Native and Naturalized Plants of Nantucket and Figures of Dead Men by Leonard Baskin were selected for the 1968 New England Book Show; the latter also was chosen as one of twenty-five outstanding university press books of the year by the AAUP, from 260 entries submitted by 59 presses. Polity was singled out from over 200 journals discussed at a workshop held during the annual AAUP meeting, as outstanding in conception and realization. Frederick Law Olmsted, Sr., was selected by the American Institute of Graphic Arts for inclusion in the Fifty Books of the Year, 1968-69 exhibition. All volumes were designed by Richard Hendel.

Until a university press has built a substantial backlist, which accounts for 60-80% of its annual sales, it lives perilously. As the Press completes its fifth year of publication, with approximately fifty books and issues of journals in print, sales receipts are beginning to nourish the budget. Under

the supervision of Ann Reinke, sales manager, receipts for 1968-69 totaled $76,000; the $100,000 mark (which seems to carry considerable symbolic weight in university press publishing) should be reached this year. Shipped from a warehouse in New Jersey, Press books are distributed throughout the world. The Press has European, Canadian, and Eastern U.S. sales representatives, and is considering broadening its domestic representation. Sales are being computerized early, to avoid the fate of transformation late, when volume is large.

Sales, reviews, awards, and surviving five years may prompt the Press to celebrate, this fall. But another occasion encourages the impulse to celebrate: the tenth anniversary of The Massachusetts Review. To mark the decade, the Press will publish, for MR, a volume entitled Black and White in American Culture. The anthology gathers stories, poems, portraits, and essays involving black and white culture which have appeared in the pages of MR throughout the decade. An expression of concerned scholarship and art, the anthology gives point to publishing, in a time of trouble here and in the society. It affirms the values of that other America, the America of Jefferson, Thoreau, Martin Luther King, and of that other University which, in the midst of battle, can still be heard.

SUBCOMMITTEE REPORT ON PRESS POLICY
APPROVED APRIL 4, 1969

The role of the Committee:

1. The major function of the Press Committee is editorial: the evaluation and approval of manuscripts for publication.
2. Its second function is advisory: to make recommendations concerning the operation of the Press, the budget, royalty schedules, the development of the publishing program, and Press relations with the faculty and administration. The University administration shall consult with the Press Committee regarding any appointment of a Press Director. The Committee is not a control board and unless requested to do so, does not concern itself with details of Press operations.
3. Both the Director and the administration may call upon the Committee for advice.
4. Final responsibility for policy formulation resides with the Press and the administration.
5. If specifically requested to do so by the Director or by the administration, the Committee formulates and implements policy.
6. The Chairman of the Press Committee reports annually to the Faculty Senate.

Responsibilities of the Press and the Director:

1. Development of the publishing program and the material fulfillment thereof are the responsibilities of the Press.
2. The Director solicits and screens manuscripts for presentation to the Committee. Manuscripts manifestly unsuitable for publication may be rejected by the Director of the Press without prior review by the Committee.

3. The Press presents to the Committee, for continuous review, questions of major importance in developing the publishing program. These include such matters as special series, author-publisher agreements and royalties.
4. As outlined in the Faculty Senate statement of 1965, the Director reports periodically to the Dean of the Graduate School on administrative matters such as finances, inventory, staff, and author-publisher agreements.
5. In line with University policy, the operating practices of the Press follow those of departments operating on state funds. The Procurement Office places bids; master accounts are maintained by the Treasurer's Office; state classifications govern the appointments of nonprofessional staff.

Recommendations:

1. The administrative level of the Press should be the same as that of an academic department of the University.
2. As recommended by the Dean of the Graduate School, the staff of the Press should be paid from state funds, rather than trust funds. The transition should be initiated as soon as possible, and be completed within a five-year period.
3. The Press should be provided with its own building. Munson Hall might well be reserved for such use.
4. Salaries of the Press staff have improved with growth. The subcommittee recommends that salaries be reviewed periodically, with the goal of bringing them into line with the norms in university press publishing.

SUBCOMMITTEE REPORT ON JOURNAL PUBLICATION
APPROVED APRIL 4, 1969

Recommendation of the sub-committee:

1. The University of Massachusetts Press not accept the responsibility for any new journals.
2. The Press divest itself of responsibility for the two existing journals (Transactions and Polity) as soon as possible.
3. The English Department discuss the proposed publishing of The English Literary Renaissance journal with the Dean of the College of Arts and Sciences for purposes of funding and that the journal be the responsibility of the English Department.
4. The Faculty Senate establish a Committee on Journals to investigate possible ways of supporting journal publication on campus and to recommend guidelines for University policy.

The University of Massachusetts Press
Munson Hall, Amherst, Massachusetts 01002

BASKIN, LEONARD
Figures of Dead Men by Leonard Baskin
Preface by Archibald MacLeish
1968, 80 pp., photos, 7 x 10, cloth, trade edition $10.00
limited edition with signed woodcut $100.00 sd#
LC 68-19668, SBN 87023-027-1

BAXTER, MAURICE G.
Daniel Webster and the Supreme Court
1966, 265 pp., cloth, $6.75, LC 66-28116, SBN 87023-008-5

BEDFORD, HENRY F.
Socialism and the Workers in Massachusetts: 1886-1912
1966, 315 pp., illus., cloth, $6.50, LC 66-15794, SBN 87023-010-7

CARY, HAROLD W.
The University of Massachusetts: A History of One Hundred Years
1962, 255 pp., illus., cloth, $3.75, LC 62-63943, SBN 87023-006-9

CHAMETZKY, JULES & SIDNEY KAPLAN, eds.
Black and White in American Culture: An Anthology from The Massachusetts Review
October 1969, ca. 480 pp., illus., cloth, ca. $10.00, LC 74-76045
SBN 87023-046-8

DUBOFSKY, MELVYN
When Workers Organize: New York City in the Progressive Era
1968, 242 pp., cloth, $7.50, LC 68-19669, SBN 87023-042-5

FABOS, JULIUS GY., GORDON T. MILDE & V. MICHAEL WEINMAYR
Frederick Law Olmsted, Sr.: Founder of Landscape Architecture in America
1968 (Paper, August 1969), 128 pp., illus., 10 x 10, cloth, $12.00
paper, $5.00, LC 68-19670, Cloth SBN 87023-035-2, Paper SBN 87023-052-2

FRANCIS, ROBERT
Come Out Into the Sun: Poems New and Selected
1966, reprint 1968, 143 pp., cloth, $5.00, LC 65-26243, SBN 87023-015-8

FRANCIS, ROBERT
The Satirical Rogue on Poetry
1968, 136 pp., cloth, $5.00, LC 68-13940, SBN 87023-034-4

FRASER, THOMAS M., JR.
Culture and Change in India: The Barpali Experiment
1968, 400 pp., illus., $8.50, LC 68-19671, SBN 87023-041-7

GOLDEN, MORRIS
Fielding's Moral Psychology
1966, 171 pp., cloth, $6.00, LC 66-28115, SBN 87023-022-0

GREGG, PAULINE
The Welfare State: An Economic and Social History of Great Britain from 1945 to the Present Day
1969, 400 pp., cloth, $8.00,* LC 69-13109, SBN 87023-045-X

GREEN, ELY
Elizabeth N. & Arthur Ben Chitty, eds.
Ely: Too Black, Too White
February 1970, ca. 680 pp., cloth, ca. $10.00, LC 75-76048, SBN 87023-047-6

GRENE, MARJORIE, ed.
The Anatomy of Knowledge
1969, 357 pp., cloth, $8.00,* LC 68-19672, SBN 87023-043-3

HALLEY, ANNE
Between Wars and Other Poems
1966, 70 pp., illus., paper, $2.00,* SBN 87023-016-6

HATCH, BENTON L., comp.
A Check List of the Publications of Thomas Bird Mosher of Portland, Maine
Essay by Ray Nash Limited edition printed by The Gehenna Press
1966, 212 pp., illus., slipcase, $50.00 sd#, LC 65-26239, SBN 87023-017-4

HAVEN, RICHARD
Patterns of Consciousness: An Essay on Coleridge
1969, 272 pp., cloth, $7.50, LC 78-76046, SBN 87023-048-4

HELLER, PETER
Dialectics and Nihilism: Essays on Lessing, Nietzsche, Mann, and Kafka
1966, reprint 1969, 344 pp., cloth, $8.00, LC 65-26240, SBN 87023-019-0

HICKS, JOHN H., ed
Thoreau in Our Season
1966, 176 pp., illus., cloth, $4.50, LC 65-26241, SBN 87023-011-5

JOHNSTON, JAMES HUGO
Race Relations in Virginia and Miscegenation in the South 1776–1860
December 1969, ca. 250 pp., cloth, ca. $7.50, SBN 87023-050-6

KENNY, HERBERT A. & JACK COUGHLIN
Twelve Birds
1964, 42 pp., illus., 8⅞ x 12, cloth, $5.00, LC 64-8939, SBN 87023-007-7

KOEHLER, STANLEY
The Fact of Fall: Poems
1969, 64 pp., cloth, $3.50, LC 69-13584, SBN 87023-044-1

KOEHLER, STANLEY, LEON O. BARRON, DAVID R. CLARK & ROBERT G. TUCKER
A Curious Quire
1964, reprint 1967, 110 pp., illus., paper, $2.50, LC 62-21002
SBN 87023-001-8

LIEB, MICHAEL
The Dialectics of Creation
Patterns of Birth & Regeneration in Paradise Lost
November 1969, ca. 232 pp., cloth, $7.50, LC 71-76047, SBN 87023-049-2

LOEWENSTEIN, KARL
Max Weber's Political Ideas in the Perspective of Our Time
1966, 105 pp., paper, $2.00, LC 66-16541, SBN 87023-009-3

McDONALD, CHARLES O.
The Rhetoric of Tragedy: Form in Stuart Drama
1966, 360 pp., cloth, $7.50, LC 66-16542, SBN 87023-012-3

MacKEEVER, FRANK C.
Harry E. Ahles, ed.
Native and Naturalized Plants of Nantucket
1968, 180 pp., cloth, $6.50, LC 68-19673, SBN 87023-037-9

MOORE, EDWARD C. & RICHARD S. ROBIN, eds.
Studies in the Philosophy of Charles Sanders Peirce, Second Series
1964, 525 pp., cloth, $8.50, LC 52-5411, SBN 87023-003-4

POTTER, VINCENT G.
Charles S. Peirce on Norms and Ideals
1967, 224 pp., cloth, $7.50, LC 67-30845, SBN 87023-032-8

QUINT, HOWARD H. & ROBERT H. FERRELL, eds.
The Talkative President: The Off-the-Record Press Conferences of Calvin Coolidge
1964, 276 pp., cloth, $6.00, LC 64-21695, SBN 87023-002-6

RAYMOND, AGNES
Jean Giraudoux: The Theatre of Victory and Defeat
1966, 196 pp., paper, $2.50, LC 65-26238, SBN 87023-013-1

ROBIN, RICHARD S.
Annotated Catalogue of the Papers of Charles S. Peirce
1967, 296 pp., cloth, $15.00, LC 67-28217, SBN 87023-029-8

RUCHAMES, LOUIS
Racial Thought in America: From the Puritans to Abraham Lincoln
1969, 544 pp., cloth, $8.00, LC 68-19674, SBN 87023-031-X

RUIZ, RAMÓN EDUARDO
Cuba: The Making of a Revolution
1968, 200 pp., cloth, $6.00, LC 68-19675, SBN 87023-036-0

SCHWARTZ, ELLIOT S.
The Symphonies of Ralph Vaughan Williams
1964, 242 pp., illus., cloth, $6.50, LC 64-24402, SBN 87023-004-2

SCOTT, JOHN ANTHONY, ed. & trans.
The Defense of Gracchus Babeuf Before the High Court of Vendôme
Essay by Herbert Marcuse
1967, 128 pp., illus., cloth, $6.00, LC 67-11244, SBN 87023-024-7

SCOTT, WILLIAM T.
Erwin Schrödinger: An Introduction to His Writings
1967, 192 pp., cloth, $6.50, LC 66-28117, SBN 87023-023-9

SEWALL, RICHARD B.
The Lyman Letters: New Light on Emily Dickinson & Her Family
1966, 86 pp., illus., cloth, $3.50, LC 65-26244, SBN 87023-014-X

SAMUEL SEWALL
Sidney Kaplan, ed
The Selling of Joseph: A Memorial
September 1969, 68 pp., paper, ca. $1.25, SBN 87023-051-4

SHELDON, WILLIAM G.
The Book of the American Woodcock
1967, 240 pp., color frontispiece, illus., cloth, $8.50
LC 67-11243, SBN 87023-021-2

VAN VORIS, JACQUELINE
Constance de Markievicz: In the Cause of Ireland
1967, 390 pp., photos, cloth, $7.50, LC 67-11245, SBN 87023-025-5

WESTON, JOHN C., ed.
Robert Burns. *The Jolly Beggars: A Cantata*
1967, 48 pp., illus., 8½ x 11, cloth, $6.00, SBN 87023-030-1

WILKINSON, THOMAS O.
The Urbanization of Japanese Labor 1868–1955
1965, 243 pp., cloth, $6.00, LC 65-26242, SBN 87023-018-2

WYMAN, DAVID S.
Paper Walls: America and the Refugee Crisis 1938-1941
1968, 320 pp., cloth, $6.00, LC 68-19676, SBN 87023-040-9

SYMBOLS
sd short discount
* sales rights do not include British Commonwealth
\# payment must accompany order on these titles

The University of Massachusetts Press
Munson Hall, Amherst, Massachusetts 01002 (413) 545-0622

WAREHOUSING & SHIPPING
Excel Mail & Book Service
235-41 West First Street
Bayonne, New Jersey 07002

SALES INFORMATION
Individuals are urged to order titles, whenever possible, from their local booksellers
Libraries are invited to inquire about our Library Standing Order Plan
Booksellers and wholesalers may order titles directly from the Press at regular discounts and terms, except for selected titles which may be short discounted. Discount and returns schedules may be obtained from the Press. Prices are subject to change without notice.

ANNUAL REPORT
7/1/68 - 6/30/69
POLYMER SCIENCE AND ENGINEERING ADVANCED DEGREE PROGRAM
PROGRAM INITIATED 9/1/66

1. Graduate Students Served by Polymer Science and Engineering (PSE)[1]

	Semesters 1966		Semesters 1967		Semesters 1969		Semester 1969
	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Majors	0	2	5	16	23	29	30
Others in Residence[2]	0	10	10	7	7	8	9
Part-Time Majors	0	7	10	12	15	16	16

[1]Numbers are accurate to ± 2.

[2]Mostly from Departments of Chemistry, Civil, and Mechanical and Aerospace Engineering. Over half of this group each semester are under thesis supervision, the remainder are enrolled in PSE courses. Many have subsequently transferred to PSE.

The PSE Seminar Program has been among the most active on campus, over 50 speakers per year, about 10 from outside the U.S. Seminar notices are mailed to over 200. The Seminar Program has been arranged by Professor Fraser Price for the academic year 1968-69.

A number of visiting scientists are currently conducting research in the Polymer Science and Engineering Program. These include:

MR. KUNIO ARISAWA, Chemical Research Section, The Furukawa Electric Company, 35-Hommuracho, Hodogayaku, Yokohama, Japan. Sponsored by Professor R. S. Porter in studies on shear degradation of melt polymer systems for the period from September 16, 1968, to June 1, 1969.

DR. BRIAN DELF, Lecturer in Physics Department, University College, Cardiff, Great Britain. Supported by National Science Foundation Senior Foreign Scientist Fellowship. Doing research in the area of x-ray diffraction from polymers in general, and dynamic orientation studies and low-angle x-ray studies on ionomers in particular with Professors W. J. MacKnight and R. S. Stein.

MR. MAKOTO FUKUDA, Research Scientist, Central Research Laboratory, Denki Kagaku Kogyo Company, Fukuoka-City, Japan. His company is supporting his research in the field of rheo-optics of rubberlike copolymers for the period August 21, 1968, through August, 1970. His work is with Professor R. S. Stein.

DR. AKIHIRO KAGEMOTO, Associate Professor, Department of Chemistry, Osaka Institute of Technology, Omiyakitano-cho, Asahi-ku, Osaka, Japan. Professor Frank E. Karasz is supporting his research in the physical chemistry of biopolymers for the period October, 1968, to September, 1969.

MR. KEIICHI OHATA, from the Daicel Company, Central Research Laboratory, Ohima-chi, Tsurugaoka, Irumagun, Saitama, Japan, is working with Professor R. W. Lenz on the crystallization theory of polybutadiene irradiated by U.V. light from September, 1968, to September, 1970.

DR. PAUL J. PHILLIPS from the University of Liverpool, England, is being jointly supported by Professors William MacKnight and Richard S. Stein from August, 1968, to July, 1970. Dr. Phillips' research involves dielectric, dynamic mechanical and dynamic birefringence measurements on polyethylene, polyethylene copolymers and ionomers.

MR. KUNISUKE SAKAMOTO, Group Leader, Mitsubishi Chemical Industries, 5-6, 1 Chome, Miyaziri, Ise, Mie, will have a two year stay with Professor Roger S. Porter up to January, 1970, for studies involving research on normal force and the dynamic and steady flow rheology of polymers, copolymers and liquid crystals.

DR. JUERGEN STOELTING, 355 Marburg, Frankfurter S.W. 22, Germany, is being funded by the Themis Program as a post-doctoral fellow. His research is in the field of mechanical, dielectrical and thermodynamic behavior of mixtures of polystyrene and poly(dimethyl phenylene-oxide). He will be working from November, 1968, to October, 1969, and perhaps longer on this project with Professors Karasz and MacKnight.

DR. CLAUDE PICOT from the Centre De Resherches Sur Les Macromolecules, Strasbourg, France, is spending one year starting in March, 1969, with Professors Porter and Stein on physical chemistry studies of liquid crystals.

2. Faculty

Three PSE faculty members hold appointments with other departments; Professors MacKnight and Stein are in Chemistry and Professor Lenz is in Chemical Engineering. Professors Carmichael, Karasz, Porter, and Price hold appointments exclusively within PSE. We have one adjunct professor, Dr. Newman, of Ford Research Laboratories, Dearborn, Michigan.

CONTRIBUTIONS OF INDIVIDUAL PSE STAFF MEMBERS

7/1/68 - 6/30/69

ROGER S. PORTER

Professor and Chairman, Polymer Science and Engineering Program

Publications

89. Column Chromatography
(with J. F. Johnson)
CHARACTERIZATION OF MACROMOLECULAR STRUCTURE, Publication 1573, National Academy of Sciences, Washington, D.C., 1968.

90. Interpretation of Mesophase Transitions
(with A. Torgalkar, J. F. Johnson and E. M. Barrall II)
J. Chem. Phys. 48, 3897 (1968).

91. ANALYTICAL CALORIMETRY
(Co-Edited with J. F. Johnson)
Plenum Press, New York, 322 pages, 1968.

92. Light Scattering by Liquid Crystals
(with M. B. Rhodes and R. S. Stein)
J. Colloid and Interface Sci. 27, 3 (1968).

93. On the Flow and Activation Energy of Branched Polyethylene Melts
(with J. R. Knox and J. F. Johnson)
Trans. Soc. Rheology 12, Issue 3, 409 (1968).

94. Evaluation of Calculated Entanglement Spacings for Undiluted Linear Amorphous Polymers
(with J. F. Johnson)
Rheologica Acta 7, 332 (1968).

95. Thermodynamic Order in Mesophases
(with E. M. Barrall II and J. F. Johnson)
Accounts of Chemical Research 2, 53 (1969).

96. The Use of Depolarized Light Intensity Measurements in Polymer Characterization
(with E. M. Barrall II and J. F. Johnson)
Appl. Polymer Symposia, International Symposium on Polymer Characterization 8, 191 (1969).

Funded Research Grants

		Agency	Year of Grant	Total Funds
1.	Viscosity Changes with Shear and Composition near Transitions in Polymer-Solvent Systems	Paint Research Institute	Third	$18,000
2.	Thermal Properties of Mesophases	Department of Health, Education and Welfare	Third	$60,250
3.	The Viscosity of Partially Crystalline Polymers	National Science Foundation	Second	$38,400
4.	Shear-Induced Changes in Polymer Molecular Weight Distribution	U.S. Army-Durham	Second	$36,457
5.	Mitsubishi Research Grant	Mitsubishi Company, Japan	Second	$ 2,400
6.	Furakawa Research Grant	Furukawa Electric Company, Japan	First	$ 1,200
7.	Ford Fellowship	Ford Motor Company	First	$ 6,000

Professional Activities

1. Advisory Board for the journal, Molecular Crystals.
2. Advisory Board Journal of Polymer Science, A-2, Polymer Physics.
3. Assistant Editor, Transactions of the Society of Rheology.
4. Annual Review of Journal of Applied Physics for Rheology Abstracts, British Society of Rheology

Committees and Memberships:

American Chemical Society

1. Division of Polymer Chemistry
   a. Treasurer
   b. Alternate Councilor
   c. Education Committee
2. Division of Colloid and Surface Chemistry
   a. Committee on Bylaws
   b. Committee on Graduate Student Relations
   c. Committee on Annual Symposium
   d. Nominating Committee

American Physical Society Program Committee, Division of High-Polymer Physics

Committee for Heads of University Materials Science Programs

International Meetings on Liquid Crystals - Standing Committee on Organization

Society of Rheology, Executive Committee

British Society of Rheology

Research Presentations

Place	Subject	Date
Gordon Conference on Chemistry and Physics of Coatings and Films Crystal Mountain, Washington	Viscosities and Surface Tensions of Nematic Liquid Crystals	7/4/68
Stauffer Chemical Company Hastings-on-Hudson, New York	The Flow of Amorphous and Partially Crystalline Polymer Systems	7/19/68
Center for Professional Advancement Hopatcong, New Jersey	Introduction to Polymer Science, Viscoelasticity and Rheological Properties	7/24-26/68
University of Massachusetts Amherst, Massachusetts	On Solution Viscometry in Course on Determination of Molecular Weight	8/7/68
Holy Cross College, Second International Conference on Thermal Analysis	Mesophase Transition Thermodynamics for Several Homologous Series	8/7/68
Second International Liquid Crystal Conference Kent State Univ., Ohio	The Rheology of Mesophases Formed by Pure Compounds; Viscosity of Cholesteryl Myristate	8/14/68
University of Massachusetts Amherst, Massachusetts	On Rheology in Short Course, Polyolefins - Theory and Practice	8/21/68
I.U.P.A.C. on Macromolecular Chemistry Toronto, Canada	On the Rheology of Concentrated Polymer Systems, Symposium Lecture (Invited Paper)	9/5/68
National American Chemical Society Meeting Atlantic City, New Jersey	Transition Thermodynamics for An Extended Series of Aliphatic Esters of Cholesterol	9/9/68

Place	Subject	Date
Mitsubishi Chemical Company Tokyo, Japan	On the Flow of Amorphous Polymer Systems	10/3/68
University of Tokyo Tokyo, Japan	Flow Properties of Partially Crystalline Polymers	10/4/68
International Congress on Rheology Kyoto, Japan	The Rheology of Mesophases Formed by Pure Compounds	10/7/68
International Congress on Rheology Kyoto, Japan	On Reduced Variables for Non-Newtonian Flow of Amorphous Polymer Systems	10/8/68
Conference on Polymers in the Engineering Curriculum Mellon Institute, Pittsburgh	Polymer Science and Engineering at the University of Massachusetts	10/29/68
National Bureau of Standards Washington, D.C.	Order and Flow of Liquid Crystals	11/18/68
Esso Research Meeting Cherry Hill, New Jersey	The Future of Gel Permeation Chromatography	11/21/68
Monsanto Company Springfield, Massachusetts	New Developments in Polymer Research	12/6/68
IBM Corporation Endicott, New York	Variables in Polymer Rheology	2/27/69
Xerox Corporation Webster, New York	Order and Flow of Liquid Crystals	3/20/69
Comtech Conference on Materials, Materials Processing and Manufacturing University of Massachusetts	New Developments in Polymers	3/26/69
National American Chemical Society Meeting Minneapolis, Minnesota	Flow Properties of Polystyrene; Dependence on Molecular Weight, Temperature and Shear	4/15/69
B. F. Goodrich Company Avon Lake, Ohio	Flow of Partially Crystalline Polymers and Gel Permeation Chromatography	4/19/69

Place	Subject	Date
Monsanto Company St. Louis, Missouri	Flow Characteristics of Polymers Near Phase Transitions	4/24/69
Gel Permeation Chromatography Short Course St. Louis, Missouri	Theory and Applications of Gel Permeation Chromatography	4/26/69
Society of Plastics Engineers Antec Chicago, Illinois	Introduction for SPE International Award Recipient, R. S. Stein	5/7/69
ACS Polymer Division Group Houston, Texas	The Flow of Polymer Systems Near Phase Transitions	4/29/69
Esso Research and Engineering Company Baytown, Texas	Order and Flow of Liquid Crystals	5/21/69
Monsanto Company Texas City, Texas	Dynamic and Steady-Shear Melt Rheology of Ethylene-Methacrylic Acid Copolymers and Their Salts	5/26/69

Other Activities

1. Session Chairman for DuPont Symposium on Material Characterization, Wilmington, Delaware, 3/22/69.

2. Offered two-week course on Molecular Rheology to Baytown, Texas, Laboratory of Esso Research and Engineering Company, May, 1969.

FRANK E. KARASZ

Associate Professor, Polymer Science and Engineering Program

Publications

1. Transition Studies of Poly(2,6-dimethyl-1,4 phenylene oxide)
(with J. M. O'Reilly and H. E. Bair)
ANALYTICAL CALORIMETRY, R. S. Porter and J. F. Johnson, Eds., pp. 59-62, Plenum Press, New York, 1968.

2. Influence of Stereoregularity in Glass Transitions in Vinyl Polymers
(with W. J. MacKnight)
Macromolecules 1, 537 (1968).

3. Calorimetric Work in the Polymer Science and Engineering Program, University of Massachusetts
Bull. Thermodynamics and Thermochemistry 12 (1969).

4. Laser Light Scattering by Poly-α-Amino Acid Solutions
(with N. C. Ford and W. Lee)
J. Chem. Phys. 50, 3098 (1969).

5. Thermodynamic Properties of Poly(2,6-dimethyl phenylene ether)
(with J. M. O'Reilly and H. E. Bair)
J. Polymer Sci. A2, 6, 1141 (1968).

6. Diffusion of Polystyrene by Light Scattering Measurements
(with N. C. Ford, W. Lee and J. E. M. Owen)
Bull. Am. Phys. Soc. 14, 362 (1969).

Funded Research Grants

		Agency	Year of Grant	Total Funds
1.	Calorimetry of Polymers	Air Force Office of Scientific Research	Second	$25,000 per year
2.	Conformation of Polypeptides	National Science Foundation	First	$30,000
3.	Effect of Pressure on Polymers	Petroleum Research Fund American Chemical Society	First	$23,000
4.	Thermodynamic Properties of Polymers	National Science Foundation	First	$46,000

	Agency	Year of Grant	Total Funds
5. Grant-In-Aid	Hercules, Incorporated	First	$ 1,500
6. Post-Doctoral Support	National Institute of Health, Biomedical Facilities Support Grant	First	$11,400 (partly joint)

Professional Activities

Chairman, Section 4, ASTM Sub-committee on Thermal Analysis.

Professor-in-Charge, American Chemical Society Short Courst, "Polymer Engineering."

Memberships:

American Chemical Society

American Physical Society

American Association for Advancement of Science

Sigma Xi

Calorimetry Conference

Research Presentations

Place	Subject	Date
International Union Pure and Applied Chemistry Toronto, Canada (Also Session Chairman)	Laser Light Scattering	August, 1968
American Chemical Society National Meeting Atlantic City, New Jersey	Influence of Stereo-regularity on Glass Transitions	September, 1968
Plastics Institute of America Stevens Institute Hoboken, New Jersey	Glass Transitions of Stereoregular Polymers (Presented by W. J. MacKnight)	November, 1968
Bell Telephone Laboratories Murray Hill, New Jersey	Effect of Pressure of Polymers	November, 1968
American Chemical Society North New Jersey Section	Conformational Transitions in Polypeptides	November, 1968
Uniroyal Research Laboratory Wayne, New Jersey	Miscibility in Polymers	January, 1969

Ford Research Laboratory Dearborn, Michigan	Calorimetry of Polymers	February, 1969
DuPont Company, Plastics Department Wilmington, Delaware	Glass Transitions of Stereo-regular Polymers (Presented by W. J. MacKnight)	February, 1969
American Physical Society Annual Meeting Philadelphia, Pennsylvania	Thermodynamic Properties of Polymers (Invited) and Laser Light Scattering from Polymer Solutions (Presented by J. E. M. Owen)	March, 1969
Symposium on Bulk Thermo-dynamic Properties of Polymers Washington, D.C.	Effect of Pressure on Polymers	March, 1969
National Bureau of Standards Gaithersburg, Maryland	Conformational Transition in Polypeptides	April, 1969
National Pharmaceutical Research Conference Land O'Lakes, Wisconsin	Properties of Polymers	June, 1969

Also:

Saul Gordon Associates Hopatcong, New Jersey (Course Director)	Thermodynamic Properties of Polymers (Part of Course)	January, 1969

ROBERT W. LENZ

Professor, Chemical Engineering and Polymer Science and Engineering Program

Publications

1. Structure, Properties and Cross-linking Reactions of Poly(ester acetals)
   Macromolecules 2, 129 (1969).

2. Polymerization Reaction Kinetics
   Ind. Eng. Chem. 61, 67 (1969).

3. Polymerization Mechanisms and Processes
   Kirk-Othmer Encyclopedia of Chemical Technology, Second Edition, John Wiley and Sons, New York, Volume 16, pp. 219-242 (1968).

4. Polymer Preprints 9, No. 2, September 1968, t + 653 pp.
   Editor

5. Polymer Preprints 10, No. 1, April 1969, n + 511 pp.
   Editor

Funded Research Grants

		Agency	Year of Grant	Total Funds
1.	Reaction Induced Crystallization of Polymers	National Science Foundation	Second	$46,000
2.	Preparation and Evaluation of New Polymers; and New Composite Materials Via Direct Polymerization on or in Catalyst Carrying Substrates	Project Themis Department of Defense	Second	$12,000

Professional Activities

Committees and Memberships

Chairman, Lectureship Committee of the Fiber Society.
Chairman, Publications Committee, Polymer Division, ACS.
Editor, Polymer Preprints and responsible for acceptance of papers organization of the General Papers Session of the Polymer Division at national ACS meetings.
Member, Editorial Advisory Board, "Macromolecules."
Member, Advisory Board, "Journal of Polymer Science, Part A."
Member, Advisory Committee, University of California Extension.
Alternate Councilor, Connecticut Valley Section, ACS.
Member, Advisory Board, Polymer Research Institute

Presentations

1. Seminars at:

   (a) Phillips Petroleum Company, November 7-8, 1968.
   (b) Tennessee Eastman Company, November 18, 1968.
   (c) American Cyanamid Company, May 20, 1969.

2. Invited Papers:

   (a) Institute of Textile Technology, "Graduate Research in Polymer Science and Engineering at the University of Massachusetts," April 24, 1969.
   (b) American Chemical Society National Meeting, Minneapolis, Minnesota, History of Chemistry Division, "Progress in Polymer Chemistry through the Periodic Table," April 16, 1969.
   (c) Metrochem 69 Meeting, New York, "Polycondensation in the Solid State," May 2, 1969.
   (d) University of Massachusetts Engineering Alumni Program, "Polymer Science and Engineering," June 7, 1969.

WILLIAM J. MACKNIGHT

Associate Professor, Chemistry Department and Polymer Science and Engineering Program

Publications

14. Differential Scanning Calorimetry of Polyurethanes
(with M. Yang and T. Kajiyama)
ANALYTICAL CALORIMETRY, R. S. Porter and J. F. Johnson, Eds., Plenum Press, New York, 1968, p. 99.

15. Structure Property Relationships in Ethylene-Methacrylic Acid Copolymers and Their Salts
(with L. W. McKenna and T. Kajiyama)
Polymer Eng. and Science 8, 267 (1968).

16. The Influence of Stereoregularity on the Glass Transition Temperature of Vinyl Polymers
(with F. E. Karasz)
Macromolecules 1, 537 (1968).

17. The γ Relaxation of a Poly(ethylene-co-methacrylic Acid) Polymer and Its Salts
(with L. W. McKenna and T. Kajiyama)
Macromolecules 2, 58 (1969).

18. Structure and Properties of Ethylene-Methacrylic Acid Copolymers and Their Sodium Salts. Dielectric and Proton Magnetic Resonance Studies
(with B. E. Read, E. A. Carter and T. M. Connor)
British Journal, Polymer, January (1969)

19. Low Temperature Relaxations in Polyurethanes
(with T. Kajiyama)
Macromolecules 2, (1969)

Funded Research Grants

		Agency	Year of Grant	Total Funds
1.	The Role of Interchain Forces in Rubber Elasticity	National Science Foundation	Third	$18,700
2.	Chemical Stress Relaxation	National Science Foundation	Second	$12,900
3.	Project Themis	Department of Defense	Second	$19,550

Research Presentations

1. American Chemical Society National Meeting, Chicago, Illinois, September, 1968.
2. Society of Plastics Engineers, Stevens Institute, Hoboken, New Jersey, November, 1968.
3. DuPont Electrochemicals Division, Wilmington, Delaware, December, 1968.
4. American Physical Society, March Meeting, Philadelphia, Pennsylvania, March, 1969.
5. American Chemical Society, National Meeting, Minneapolis, Minnesota, April, 1969.
6. General Tire and Rubber Company, Akron, Ohio, May, 1969.
7. University of Akron, Akron, Ohio, May, 1969.
8. Olin Division of RESA, May, 1969.

FRASER P. PRICE

Professor, Polymer Science and Engineering Program

Publications

Kinetics of Crystallization
Encyclopedia of Polymer Science and Technology, John Wiley and Sons, New York, 1968.

Funded Research Grants

University of Massachusetts Faculty Research Grant, $500.

Professional Activities

Editorial Advisory Board, Journal of Polymer Science, Part B (Physics)
Editorial Advisory Board, Macromolecules
Member of NAS panel advisory to the Polymer Division NBS
Member of Program Committee, American Committee for Crystal Growth

Memberships:

American Chemical Society
American Physical Society (Fellow)
American Associate for the Advancement of Science (Fellow)
American Committee on Crystal Growth

Research Presentations

1. American Cyanamid Research Laboratory, September, 1968.
2. Lowell Institute of Technology, January, 1969.
3. Northeastern University, January, 1969.
4. Tennessee Eastman Company, February, 1969.
5. Celanese Research Corporation, April, 1969.
6. Dartmouth College, June, 1969.
7. Gordon Research Conference on Polymer Physics, June, 1969.

Extension Teaching Activities

1. Center for Professional Advancement Course on "Introduction to Polymers," four lectures, January, 1969.
2. University of Detroit, Polymer Conference Series, May, 1969.

Meetings Attended

American Physical Society, Philadelphia, Pennsylvania, March, 1969.

RICHARD S. STEIN

Commonwealth Professor of Chemistry, Director of Polymer Research Institute, and Member PSE Faculty

Publications

122. Light Scattering Patterns from Poly-L-Alanine
Nature 218, 5144, 866 (1968).

123. Light Scattering by Liquid Crystals
(with M. B. Rhodes and R. S. Porter)
J. Colloid and Interface Sci. 27, 3, 336 (1968).

124. Time-Dependence of Crystal Orientation in Crystalline Polymers
Polymer Eng. and Sci. 8, 4, 259 (1968).

125. Light Scattering
(with R. L. Rowell and H. Brumberger)
Sci. and Tech. 83, 34-42 (1968).

126. Rheo-Optics of High-Speed Deformation. II. Polyethylene and Polybutene-1
(with P. F. Erhardt)
J. Appl. Phys. 39, 11, 4898 (1968).

127. The Relationship between Morphology and Light Scattering Patterns for Polytetrafluoroethylene
(with M. B. Rhodes)
J. Appl. Phys. 39, 4903 (1968).

128. The Study of the Orientation of Polyvinyl Chloride Films by Means of Birefringence and Infrared, Visible, and Ultraviolet Dichroism
(with Y. Shindo and B. Read)
Die Makromolekular Chemie 118, 272 (1968).

129. Polarization of Fluorescent Light from a Uniaxially Oriented Rubber
J. Polymer Sci. A2, 6, 1975 (1968)

130. Dynamic X-Ray Diffractometer for Measuring Rheo-Optical Behavior of Crystals in Polymer Solids
(with T. Ito, T. Oda, H. Kawai, T. Kawaguchi and D. Keedy)
Review Sci. Instruments 39, 1847 (1968).

131. Optical Studies of Polymer Films
Annals New York Academy of Sciences 155, 2, 566 (1969).

132. Effect of Birefringence on Low-Angle Light Scattering Patterns from Oriented Polymer Films
(with P. F. Erhardt and W. Chu)
J. Polymer Sci. A2, 7, 271 (1969)

133. Optical Characterization of the Orientation of Amorphous Polymers and Amorphous Parts of Crystalline Polymers
(with B. E. Read)
Applied Polymer Symposia, International Symposium on Polymer Characterization 8, 255-273 (1969).

Funded Research Grants

		Agency	Year of Grant	Funds
1.	Research on the Structure of Synthetic High Polymers	Office of Naval Research	Seventeenth	$25,000 per year
2.	The Relationship between Crystal Morphology and Mechanical Properties	Petroleum Research Fund American Chemical Society	Fourth	$ 8,000 per year
3.	Dynamic Dichroism of Polymer Solids	National Science Foundation	Fourth	$22,930
4.	Light Scattering and Orientation in Mesophases	Department of Health, Education and Welfare	First	$14,250
5.	Mechanical and Optical Properties of Rubber	General Tire and Rubber Company	Fifth	$ 6,500 per year
6.	Grant-in-Aid	Monsanto Company	Fourth	$ 3,000 per year

Professional Activities

MEMBERSHIPS:

Advisory Board, Journal of Polymer Science
American Physical Society
American Chemical Society
Rheology Society
American Association for the Advancement of Science

COMMITTEES:

Advisory Committee, Princeton Materials Program
Gordon Conference Selection and Scheduling Committee

AWARDS:

Fulbright Visiting Professorship at Kyoto University, Japan, 10/68-3/69
International Award in Polymer Science and Engineering Sponsored by the Society of Plastics Engineers

Meetings Attended and Lectures Presented

Gordon Research Conference on Polymers, New London, New Hampshire, July 2-4, 1968 (Discussion Leader).

Mechanical Eng. Department, Massachusetts Institute of Technology, Cambridge, Massachusetts, July 19, 1968 (Invited Seminar).

Gordon Research Conference on Elastomers, New London, New Hampshire, July 27-August 3, 1968 (Discussion Leader).

International Conference on Liquid Crystals, Kent State University, Kent, Ohio, August 14-16, 1968 (Invited Seminar).

International Symposium on Macromolecular Chemistry, Toronto, Canada, September 3-6, 1968 (Two Papers).

American Chemical Society Meeting, Atlantic City, New Jersey, September 8-13, 1968 (Invited Paper).

Preliminary Meeting, Polymers in the Engineering Curriculum, Third Buhl International Conference on Materials, Carnegie-Mellon University, Pittsburgh, Pennsylvania, September 26-27, 1968.

Chemistry Department, Stanford University, Stanford, California, October 3, 1968 (Invited Seminar).

International Business Machines Laboratory, San Jose, California, October 4, 1968 (Invited Seminar).

Fifth International Symposium on Rheology, Kyoto, Japan, October 7-11, 1968 (Invited Paper and Discussion Leader).

Society of Polymer Science of Japan, Nagoa, October 15, 1968 (Invited Seminar).

Joint Meeting of Korean Chemical Society and Korean Institute for Chemical Engineers, Inchon, Korea, October 19, 1968 (Invited Lecture).

Yonsei University, Seoul, Korea, October 21, 1968 (Invited Seminar).

Polymers in the Engineering Curriculum, Third Buhl International Conference on Materials, Carnegie-Mellon University, Pittsburgh, Pennsylvania, October 28-29, 1968.

General Tire and Rubber Company, Akron, Ohio, November 1, 1968 (Invited Seminar).

Department of Applied Chemistry, Kyushu University, Kyushu, Japan, November 11-13, 1968 (Three Invited Seminars).

Japanese Chemical Society, Kyushu Branch, Noboeka, Kyushu, November 14, 1968 (Invited Seminar).

Kyoto University, Kyoto, Japan, November 23, 1968 (Invited Seminar).

Kyoto Polymer Symposium, Kyoto, Japan, November 29, 1968 (Invited Seminar).

Toyobo Company, Katata, Japan, November 30, 1968 (Discussion Meeting).

Annual Meeting of the Special Committee on X-Ray Research on Polymers of the Society of Polymer Science of Japan, December 21, 1968 (Invited Seminar).

Rheology Seminar of the Society of Polymer Science, Japan, at Tokyo Institute of Technology, Tokyo, Japan, December 24, 1968 (Invited Seminar).

Fuji Photo Film Company, Ashigara, Japan, December 25, 1968 (Invited Seminar).

Ube Industries, Hakata Research Laboratory, January 31, 1969 (Invited Seminar).

Tohoku University, Sendai, Japan, February 8, 1969 (Invited Seminar).

Hokkaido University, Sapporo, Japan, February 12-13, 1969 (Two Invited Seminars).

Osaka International Science Club, Osaka, February 19, 1969 (Invited Seminar).

Society of High Polymer Chemistry, Tokyo, Japan February 24, 1969 (Invited Seminar).

National Taiwan University, Taipei, Taiwan, Republic of China, March 10-11, 1969 (Invited Seminar).

Boeing Company, Seattle, Washington, March 18, 1969 (Invited Seminar).

Division of High Polymer Physics Meeting, American Physical Society, Philadelphia, Pennsylvania, March 24-26, 1969 (Five Papers Presented with Students).

Princeton University, Princeton, New Jersey, March 28, 1969 (Invited Seminar).

American Chemical Society Meeting, Chicago, Illinois, April 14-15, 1969 (Invited Paper).

DuPont Materials Characterization Symposium, Wilmington, Delaware, March 22-23, 1969 (Invited Seminar)

Chemistry Department, Princeton University, Princeton, New Jersey, May 1, 1969 (Invited Seminar).

Society of Plastics Engineers Meeting, Chicago, Illinois, May 7, 1969 (Award Address).

Ohio University Polymer Seminar Series, Athens, Ohio, May 12, 1969 (Two Invited Talks).

Wayne State Polymer Conference Series, Detroit, Michigan, May 16, 1969 (Invited Seminar).

Ford Scientific Laboratories, Dearborn, Michigan, May 16, 1969 (Invited Seminar).

Monsanto Chemical Company, St. Louis, Missouri, May 27, 1969 (Invited Seminar).

Gordon Research Conference on Polymer Physics, New London, New Hampshire, July 11, 1969 (Invited Paper).

3. Accomplishments of the PSE Program During the Fiscal Year 1968-1969

a. Advanced Degrees Conferred in Polymer Science and Engineering

MASTER'S DEGREES		PH.D. DEGREES
1968	1969	1969
A. Torgalkar*	C. Wu	T. Kajiyama
S. Go	R. Penwell	
M. Yang	J. Southern	
W. Robinson	B. Mentro	
W. Taggert	G. Wilkes	
	T. Hashimoto	
	W. Chu	
	W. Prest	

*With Thesis.

Only highly qualified students have been accepted. Of those approved by PSE for enrollment, about 70% are now on campus. This percent acceptance is twice the average of Chemistry, Engineering, and the University as a whole.

b. In previous years, all space used by PSE was under the jurisdiction of other departments. Plans for separate and increased laboratory and office space have been pursued.

1. Four offices and a reception room have been constructed in a previous storage area in Draper Annex. These offices are being used for PSE staff.
2. Floor plans have been prepared for 20,000 square feet of laboratories and offices for the eventual and ultimate expansion of PSE on the Amherst campus. These requirements have been encorporated in the preliminary plans for the next major building for Engineering.
3. Five offices have been obtained on the second floor of Draper Hall, Room 212-216. These offices have been assigned on a rotating basis to post-doctoral and visiting scientists in PSE.
4. Two small laboratories have been obtained through Mechanical and Aerospace Engineering in the Main Engineering Building for joint research on the morphology of polymers.

c. Two new three-credit laboratory courses have been given by PSE staff. These new course developments have been aided by an NSF grant of $50,000 for "Development of a Graduate Laboratory Curriculum in Polymer Science." Polymer Characterization, PSE 790, was offered for the first time in the fall of 1968. Microscopy and Morphology of Polymers, PSE 721, was given for the first time during the spring semester, 1969.

d. A new proposal for project Themis has been prepared. The proposed research centers around the interdisciplinary programs in PSE. In addition, two PSE faculty members, Professors MacKnight and Lenz, have been doing research under the present University Themis grant.

e. The PSE Program has continued to actively pursue funds for development of graduate student programs. PSE has been approved, with high ratings, for NDEA Title IV Fellowships and Traineeships. A new and complete NDEA qualification form was filed. Two PSE students are now receiving NDEA support. One NSF Traineeship has also been awarded. A student fellowship from the Plastics Institute of America was also solicited and received. Several additional fellowships and grants have also been received by PSE:

Group Grants and Fellowships

National Science Foundation, 7/1/67 - 6/30/70 "Development of a Graduate Laboratory Curriculum in Polymer Science"	$50,000 Total
DuPont Company	$ 2,500/year
Stauffer Chemical Company	$ 4,000/year
General Electric Company	$ 5,000/year
Owens-Illinois	$ 2,400/year
Union Carbide Corporation	$ 5,000/year
American Chemical Society - Division of Rubber Chemistry	$ 1,000/year
Hercules Corporation	$ 2,500/year
Xerox Corporation	$ 5,000/year

4. Special Projects and Programs

a. The PSE faculty participated in two offerings of an intensive short course, Introduction to Polymer Science, July, 1968, at the Center for Professional Development, Hopatcong, New Jersey, and in Morristown, N.J., January, 1969.

b. In co-sponsorship with Chemistry, Professor R. S. Stein has been placed in nomination for two different awards of the American Chemical Society. The PSE faculty has also nominated him for awards of the Society of Rheology and the American Physical Society. Through an additional nomination by PSE, Professor Stein has received the Society of Plastics Engineers International Award in Polymer Engineering and Science for 1969.

c. Arrangements have been made for the University to host for a second time a course on Polyolefins: Theory and Practice, August, 1969. This course is sponsored and organized by the Plastics Institute of America, a non-profit organization. The course was given the first time on campus, August 19-23, 1968.

d. PSE faculty and students will participate in a technical program and meeting of the Advisory Committee of the Polymer Research Institute at the University of Massachusetts, June 27, 1969.

e. Professor Price represented PSE on the indoctrination lecture program for freshmen students in Engineering.

f. An abstract was prepared on the PSE Program for inclusion in Peterson's Guide for Graduate Students in Engineering.

g. Requested information was transmitted to the National Research Council concerning our extensive post-doctoral program in PSE.

h. A proposal has been prepared and submitted for NSF support of research instrumentation in PSE.

i. A proposal has been written and submitted to NSF for possible sponsorship of a Summer Institute to instruct college teachers in Chemistry and Engineering in the field of polymer science.

5. Future Plans and Needs

Improved machine shop, photographic and drafting services are important to PSE and to other University graduate programs. These needs can no longer be ignored. For PSE, space is also a crucial and serious limitation on development. We wish to realize, in the next years, the potential that is yet available to us. The record indicates that we can continue to add easily both quality faculty and students. Substantial funding is also potentially available. The PSE faculty averages about four major research grants per man, possibly a high for the campus. All PSE faculty members serve as industrial consultants.

Polymer Science and Engineering continues to mature as one of the top centers for polymer studies in the world. U.S. education lags far behind research and personnel demands in the polymer field. Our students are strongly sought by the plastics industry which continues to grow several times faster than the national economy. Space has also been arranged for moderate growth of PSE and PRI, the Polymer Research Institute. The PRI serves as the research coordination, information, publicity, and funding arm of the PSE academic program. Floors 7 and 8 of Tower A of the Graduate Research Center are for polymer research. Long-range plans call for several laboratories in a new building devoted principally to Chemical Engineering.

PSE and PRI wish to remain separate and distinct programs of the University reporting to a graduate research administrator. The Polymer Science and Engineering Program wishes to continue its development as a University department.

ANNUAL REPORT

Labor Relations and Research Center

FISCAL YEAR ENDING JUNE 30, 1969

University of Massachusetts

Amherst

TABLE OF CONTENTS

		Page
I.	Appropriations	1
II.	Personnel	1
III.	Students: Graduate and Extension	2
IV.	Professional Activity	3
	A. Publications	3
	B. Contract Research Grants	6
	C. Faculty Research Grants	7
	D. University Committees	8
	E. Professional Activities	8
	F. Other Professional Activities	17
	G. LRRC Colloquia	19
V.	Accomplishments	20
VI.	Labor Education Extension Programs	24
VII.	Future Plans and Needs	29
	APPENDIX A, Organizational Chart	31
	APPENDIX B, Structural Flow Chart	32

I.

APPROPRIATIONS

Fiscal Year	Total Appropriation
1967-1968	$170,896
1968-1969	$171,927

II.

PERSONNEL

1967-1968	1968-1969
Director *	Director
Asst. Directors (2)**	Asst. Directors (2)
Field Representative	Field Representative
Research Coordinator***	Research Coordinator
Principal Clerk	Principal Clerk
Senior Clerk, Steno	Senior Clerk, Steno
Senior Clerk, Steno (Boston Office)	Senior Clerk, Steno (Boston Office)
Junior Clerk - Typist (5/68) (Worcester Office)	Junior Clerk - Typist
Librarians (2) (Part-time)	Librarians (2) (Part-time)
Research Assistants (2) (students, part-time)	Research Assistants (2) (students, part-time)
Clerical Assistants (3) (students, part-time)	Clerical Assistants (3) (students, part-time)

*Professor, Economics
**Harvey L. Friedman is Assistant Prof. of Government
***Lecturer in the School of Business Administration

III.

STUDENTS: GRADUATE AND EXTENSION

A. Majors (M. S. in Labor Studies Program):

SEMESTER	NO. OF STUDENTS
1st. (September 1968)	13
2nd (February, 1969)	15

B. Courses Taught by LRRC Staff: Academic, Graduate Level

COURSE	NO. OF STUDENTS	CREDITS	TOTAL SCH*
LR 700, Readings - Prof. Seligman	3	3	9
LR 710, Seminar - Prof. Seligman	11	3	33
LR 764, Gov't of Unions - Prof. Friedman	4	3	12
LR 777, Public Sector - Prof. Friedman	25	3	75
Econ 744, Labor Stat.- Prof. Seligman	7	3	21
TOTALS	50	---	150

* Student Contact Hours

C. Labor Education Extension: July 1968 through June 1969

Total registered participants = 3,073

Total different programs = 65

IV

PROFESSIONAL ACTIVITIES

A. Publications

Ben B. Seligman, Director

Books

Glavnye Toky V. Sovremennoy Economike, Pioneer Publishing House, Moscow, 1968, 850 pp. (Russian Translation of Main Currents in Modern Economics).

Aspects of Poverty (editor), TY Crowell, New York, vi + 324 pp.

Economics of Dissent, Quadrangle Books, Chicago, xviii + 429 pp.

Articles and Notes

"American Poverty: Rural and Urban", Current History, V: JJ, No. 326, Oct. 1968, pp. 193-198, 239-240.

"Extension Activities of Industrial Relations Center: Comment", Proceedings, Regional Meeting, IRRA, Madison, Aug. 1968, pp. 32-34 (multilithed).

"The State of Social Science", Commentary, V. 46, No. 4, Oct. 1968, pp. 76-79.

"New England's Prospects For Growth", New Englander, Dec. 1968, p. 32.

"University of Mass. Labor Relations and Research Center", Industrial and Labor Relations Review, V. 22, No. 3, April 1969, pp. 373-375.

Reviews

A.J. Jaffee and J. Froomkin, "Technology and Jobs", Monthly Labor Review, V. 91, No. 10, Oct. 1968, p. 80.

C.A. Valentine, "Culture and Poverty", The Progressive, Dec. 1968, pp. 43-44.

Reviews (cont'd)

S. Aveneri, "The Social and Political Thought of Karl Marx", Midstream, Jan. 1969, pp. 74-78.

S. Mencher, "Poor Law to Poverty Programs", Annals of Amer. Academy of Political and Social Science, Jan. 1969, pp. 170-171.

Contributing Author

M. Herman, S. Sadofsky and B. Rosenberg, Work Youth, and Unemployment, TY Crowell: New York, 1968, pp. 142-153.

Abstracts

"Technology and Its Implications", Automation Abstracts, International Labor Review, V. 98, No. 2, Aug. 1968, p. 15.

Forthcoming

A Balance Sheet of American Unions, Midstream (June).

Positivism and Economics, History of Political Economy (June).

Works in Progress

The Potentates: Business and Businessmen in American History, Dial Press: New York (in press).

Reader on Labor (with Prof. M. Dubofsky), Quadrangle: Chicago (in preparation).

Papers

"Social Economics and the Environment", Williams College, Oct. 18, 1968.

"Problems of the Environment", Conference on Open Spaces, U/Mass, Nov. 8, 1968.

"Poverty in America", Conference on Poverty, Taunton, Mass., Nov. 20, 1968.

"Positivism and Economics", Duke University, Dec. 6-7, 1968.

"Automation and Society", Kirkland College, Dec. 12, 1968.

Papers (cont'd)

"Environmental Quality in America", Denison University, Jan. 28, 1969.

"Manpower Problems in Food Processing", Univ. of Maryland, Feb. 9, 1969.

"A Balance Sheet for Labor", Amherst College, Feb. 14, 1969.

"Poverty in America", Conference on Poverty, Title I Project, Home Econ. Dept., U/Mass., March 12, 1969.

Lectures

National Assoc. of Mutual Savings Banks, July 21-Aug. 2, (six lectures on economics).

State University of N.Y., Binghamton, March 19, (on poverty).

State University of N.Y., Albany, March 20, (on poverty).

Urban Coalition, Holyoke, Mass., March 23, (on city problems).

American College in Jerusalem, Israel, April 20-May 2, (four lectures on labor and American problems).

Harvey L. Friedman, Assistant Director

Contributing Author:

Encyclopedia Americana. New York: Grolier Society, 1968: Vol. 8, pp. 144-145 (on craft union); Vol. 9, p. 435 (on David Dubinsky); Vol. 15, p. 301 (on International Ladies Garment Workers Union); Vol. 15, pp. 314-315 (on International Typographical Union); Vol. 26, p. 318 (on Teamsters).

Joseph P. Lanzilli, Field Representative

Article:

"Analysis of Labor Relations in Public Employment", WORCESTER LABOR NEWS, Vol. 64, No. 6, March 28, 1969; p. 2.

Milton Brooke, Research Coordinator

Article:

"Workmen's Compensation Protection for Public Employees", Labor Law Journal, June, 1969 issue.

B. Contract Research Grants Sponsored by LRRC:

FUNDED:

1. Trade Unions and Poverty in New England

Training project refunded by Office of Economic Opportunity to train trade unionists in community action programs.

$204,000: continuation grant to terminate June 30, 1969.
Prin. Invest., Ben B. Seligman
Dir. LRRC

2. Inter-union Pre-retirement Training Program

Application to Administration on Aging, U.S. Dept. of Health, Education and Welfare to develop pre-retirement programs on an inter-union basis.

$41,256: 1st of 2 yrs. Prin. Invest., Harvey L. Friedman
Asst. Dir., LRRC

3. National Manpower Policies in O.E.C.D. Countries

Research grant funded by Manpower Administration, U.S. Dept. of Labor to report on manpower policies in O.E.C.D. countries.

$22,854: additional year extension of time
Prin. Invest., Solomon Barkin
Dept. of Economics

4. Planning Grant

Funded by U.S. Dept. of Labor to develop undergraduate curricula for class instruction and field work in the study of problems of disadvantaged persons.

$5,000: terminated, Feb. 1969 Prin. Invest., Ben B. Seligman
Dir. LRRC

5. Planning Grant

Funded by the Manpower Administration, U.S. Dept. of Labor to plan for a series of papers and studies to be presented to a seminar to discuss the interrelationship between economic and manpower policy.

$14,904: one year — Prin. Invest., Solomon Barkin, Dept. of Economics

C. Faculty Research Funded by LRRC:

Prof. Howard Wiarda, Government Department "Economic Development, Social Change and Political Development: The Response of the Church and of the Labor Movement"	$2,000.00
Prof. David Booth, Bureau of Government Research "Labor's Opposition to the Council-Manager Plan--Fact of Fiction"	$1,870.00
Prof. Melvyn Dubofsky, History Department "The Creation of Trade Union Leadership: A Collective Biography of American Trade Union Officials"	$1,990.00
TOTAL	$5,860.00

D. University Committees

Ben B. Seligman, Director:

University Long-Range Planning Committee
Personnel Committee, Department of Economics
Committee on Continuing Education
Ad Hoc Committee on Gerontology
Ad Hoc Urban Studies Committee
Dissertation Committees - Economics & History

Harvey L. Friedman, Assistant Director:

Ad Hoc Committee on the Ombudsman
University Broadcasting Council (Subcommittee on Off Campus Broadcasting)
Ad Hoc Committee on Gerontology
Committee on University Law School
Ad Hoc Urban Studies Committee
School of Education Dissertation Committees
Fellow of Orchard Hill Complex (Eugene Field House)
Government Department Honors Committee

Milton Brooke, Research Coordinator:

Personnel Management Curriculum Revision, School of Business Administration

E. Professional Activities: Paper (P); Speaker (S); Attended (A)

Professor Seligman:

June 15-July 15	1968	Member, Mission to Latin American Universities Organization of American States
Oct. 10	1968	Economics Dept. Graduate Seminar (S)
Oct. 30	1968	WFCR Program on Automation (S)
Nov. 22	1968	Arbitration Conference, U/Mass. (S)
Dec. 13	1968	State Employees Workmens Compensation Conference, Boston (S)
Dec. 27-29	1968	ASSA Meetings, Chicago, Executive Board Meetings, AFEE, IRRA (A)
Feb. 1	1969	Hampshire College, Conference on Urban Affairs (A)

Feb. 15-17	1969	University of Georgia, Conference on Automation (A)
Feb. 26	1969	WMEEC Trustees, Northampton (A)
March 31-April 2	1969	IUE Conference on Social Action Rutgers (S)
April 12	1969	AFEE Executive Board, N.Y. (A)
May 10	1969	Brooklyn College, Conference on Library (A)
May 19-21	1969	ULEA (A)

Professor Friedman:

Sept. 4, 5, 6	1968	Mass. Labor Council AFL-CIO Conference (A)
Sept. 13	1968	Meeting with President, Mass.Association of Environmental Scientists & Engineers
Sept. 19	1968	Maine AFL-CIO Convention (S)
Sept. 20, Oct.11, Nov. 15, Dec. 20,	1968	Collective Bargaining Task Force, Mass. Board of Education Meetings (A)
Oct. 4, 5	1968	Evaluation Team, Union Leadership Academy Project, Office of Education, Penn. State University (A)
Oct. 16	1968	United Christian Fellowship meeting, Dr. John Brubacher (A)
Oct. 18	1968	Sanitary Engineers Graduate Seminar (S)
Oct. 24	1968	Worcester Rotary Club (P)
Oct. 24	1968	Federal Executive Board, Federal Labor Agencies, Research Task Force Meeting, Boston (A)
Nov. 6	1968	South Hadley Teachers Association Consultation (S)
Nov. 15	1968	Governor's Task Force on Collective Bargaining (P)
Dec. 6	1968	Governor's Task Force on Collective Bargaining (P)

Dec. 13	1968	State Employees Workmen's Compensation Conference (A)
Dec. 18	1968	School of Education Marathon - "Collective Bargaining and Innovation in Education" (S)
Jan. 3, Jan. 17, Feb. 7, March 14	1969	Collective Bargaining Task Force, Mass. Board of Education Meetings (A)
Jan. 23	1969	Food Science Seminar - "Labor Relations in the Food Science Industry" (P)
Jan. 25	1969	Pioneer Valley Labor Council Conference (S)
Feb. 1	1969	Five College Urban Program Meeting (A)
Feb. 4	1969	WGBH-TV - Program "Municipal Power Now" (S)
Feb. 18	1969	WFCR - "Massachusetts Politics" - a panel discussion (S)
Feb. 17	1969	ULEA Executive Board Meeting (A)
March 5	1969	Seminar on Contemporary Problems & Social Activity - "A New Look at Labor" (P)
March 11	1969	Consultation with MCAD (A)
March 19	1969	Keyes Fibre Co. - University of Maine Labor Center - "The Role of the Foreman in Modern Labor Relations" (S)
March 26	1969	School Supervision Association - "School Supervisors - Fish or Fowl?" (S)
March 30	1969	Sons of Zion Social Action Committee "Spanish Speaking Citizens and Their Jobs" (S)
April 13	1969	A Sunday Morning Meeting on Race Relations - "Discrimination in the Construction Industry" (S)
May 5	1969	"Teacher Professionalism" - School of Education (S)
May 6	1969	Western Mass. Hospital Personnel Association - "Labor Relations in the Hospital Service Industry" (P)

May 7	1969	AFL-CIO Social Security Committee (Washington) - "Pre-Retirement Programs and the Labor Movement" (S)
May 18-21	1969	ULEA National Meetings, Philadelphia (S)
May 22	1969	Consultation with Al Camire, AFL-CIO in regional Metal Trades Conferences
June 7	1969	Alumni Assn. Breakfast (A)
June 11, 12	1969	Joint Conference with University of Maine & AFGE (A)
June 14	1969	AFT State Convention (A)
June 20, 21	1969	Postal Clerks Convention (S)
June 25	1969	N.E. Division of the Civil Service Commission - "The History, Implementation and Decline of Executive Order 10988". (S)

Mr. Joseph J. Cass

July 9	1968	Meeting of the College Scholarship Committee I.L.G.W.U., Member (A)
July 17	1968	Boston I.L.G.W.U. Retirees Association, "Politics 1968" (S)
September 4, 5, 6	1968	Massachusetts State Labor Council, AFL-CIO Convention, Boston (A)
September 9	1968	Meeting of A. Philip Randolph Institute, Freedom Budget, Boston (A)
September 25	1968	Commonwealth Service Corps, Advisory Council Meeting (A)
September 25	1968	Catholic Labor Guild, Advisory Council Meeting, Boston (A)
October 4	1968	N.E. Conference of Boot and Shoe Workers, Newburyport, "Grievance Problems and LRRC Programs" (S)
October 17	1968	Government Department, University of Mass., Amherst, Lecture on "State Government" (S)

October 23	1968	N.E. Intergovernmental Relations Committee Meeting, Boston (A)
October 28	1968	I.L.G.W.U., N.E. Dept., "Public Affairs", Boston (S)
November 9	1968	McSweeney Testimonial, Hotel Bradford, Boston (A)
November 13	1968	Advisory Council, Dept. of H.E.W., Mass. State Board of Education, E.S.E.A., Title III Project, Meeting (A)
November 16	1968	C.W.A. District Conference, "Analysis of Present Elections", Boston (S)
November 21	1968	N.E. Intergovernmental Relations Committee Meeting, Boston (A)
December 3	1968	Massachusetts Social Workers Conference, Statler Hilton Hotel, Boston (A)
December 11	1968	Institute for Technical Assistance Corps of O.E.O., "Labor in the Power Structure" (S)
December 12	1968	Advisory Council, Dept. of H.E.W., Mass. State Board of Education, E.S.E.A., Title III Project, Meeting (A)
December 18	1968	I.L.G.W.U. #361, "Labor and Education", New Bedford (S)
January 8	1969	Catholic Labor Guild, Advisory Council, Meeting (A)
January 23	1969	"Municipal Collective Bargaining Conference" at Boston College (A)
January 24	1969	Meeting with the A. Philip Randolph Institute, Freedom Budget Committee, Boston (A)
February 7	1969	Salem State College, Lecture on "Labor in the U.S." (S)
February 27	1969	N.E. Intergovernmental Relations Committee, Meeting, Boston (A)

March 7	1969	Politics Department at University of Mass.--Boston, class with interns (S)
March 11	1969	"Higher Education Day," Boston (A)
March 21	1969	Massachusetts AFL-CIO Conference, Dedham (A)
April 15	1969	Mass. Department of Education, Advisory Council Meeting (A)
April 23	1969	University of Mass.--Boston, "Taxation Forum" (A)
April 24	1969	University of Mass.--Boston, Politics Dept., Lecture on "Labor in Government" (S)
May 13	1969	Department of Education, Mass., Advisory Council Meeting (A)
May 19, 20, and 21	1969	University Labor Education Assoc. Convention, Philadelphia, Penn. (A)
May 22 and 23	1969	Industrial Union Council, AFL-CIO, Convention, Boston, "Labor and the Future" (S)
June 14	1969	A. Philip Randolph Institute Dinner (A)

Mr. Joseph P. Lanzilli

July 11	1968	Meeting of Quinsigamond Community College Undergraduate Labor Education, Worcester (S)
July 23	1968	Meeting of Industrial Engineering Dept. of University of Rhode Island on "Labor Center Activities," Kingston, R.I. (S)
July 26	1968	Conference of Worcester Labor Council AFL-CIO Executive Board and Congressman Harold Donohue, "Labor Problems", Worcester (S)
September 4, 5, 6	1968	Massachusetts State Labor Council AFL-CIO Convention, Boston (A)
October 4	1968	United Appeal Community Service Health Committee Meeting, Worcester (A)

October 24	1968	Worcester Chapter of Rotary Meeting, Worcester (A)
December 5	1968	Shrewsbury Democratic Committee Meeting, Shrewsbury (S)
December 11	1968	Worcester Model Cities Program Labor Committee, Worcester (A)
December 27	1968	Worcester County Labor Council AFL-CIO Union Councilors Course, Worcester (A)
January 2	1969	Community Mental Health and Retardation Board Meeting, Worcester (A)
January 24	1969	School of Business Administration Quinsigamond Community College "Labor Education", Worcester (S)
February 5	1969	Community Services Health Committee United Appeal Meeting (A)
February 6	1969	Worcester Labor Council Councilors Course on "Labor Center's OEO Program", Worcester (S)
February 28	1969	Division of Unemployment Security Employee's Conference, Framingham (S)
March 10	1969	Building Trades, Worcester Model Cities Program, Worcester (S)
March 11	1969	Worcester Model Cities Program Labor Committee, Worcester (A)
March 12	1969	Anniversary Dinner, 35 years, Local #178, International Ladies Garment Workers, Fall River (A)
April 10	1969	Fourth Annual Councilors program of the Worcester Labor Council AFL-CIO and Worcester Community Services (A)
April 14	1969	New England Conference on Workmen's Compensation, Boston (A)

May 1	1969	Industrial Engineering students, University of Rhode Island, Kingston, Rhode Island, "New Innovations in Collective Bargaining" (S)
May 3	1969	Dan Murray Testimonial Dinner, Boston (A)
May 6	1969	I.U.E. Conference, North Adams, "Role of the Steward" (S)

Mr. Milton Brooke

October 14-16	1968	Governor Rockefeller Conference on Public Employment Relations, New York City (A)
October 22	1968	Labor law administrators' conference, Northeast region, "Federal and State minimum wage standards and the need for improved coordination and communication", Providence, R.I. (S)
November 4	1968	Massachusetts Department of Labor and Key Department heads, "Improving labor law administration", Boston (S)
December 13	1968	Workmen's Compensation Administrator's conference on Public Employment, Northeast region, U/Mass., (S)
January 31	1969	ULEA, Eastern Regional meeting, "Research program and activities of the LRRC", U/Conn., (S)
February 13	1969	Testified before Massachusetts legislative Committee on Commerce and Labor on House No. 4557 dealing with licensing of labor contractors (S)
February 14	1969	Massachusetts Industrial Accident Board officials and Deputy Attorney General, Boston (S)
March 12	1969	Lecture, "Workmen's Compensation", Econ. Dept. (S)
April 11	1969	New England Center for Continuing Education, AUEC, NUEA, AND AEA, Univ. of New Hampshire (A)

April 14	1969	New England State Labor Council's Conference, "Workmen's compensation in Mass.", Boston (S)
May 15	1969	New England Center for Continuing Education, "Regional meetings on current problems of concern to the labor community in the New England area", Univ. of New Hampshire (A)
May 19 and 20	1969	ULEA conference, Philadelphia, Pa. (A)
June 16-20	1969	North American Conference on Labor Statistics, Kiamesha Lake, N.Y. (A)

F. Other Professional Activities

Professor Seligman:

Federal Research:

Principal Investigator, OEO New England Trade Union Training Project
Principal Investigator, Planning Grant, Coalition for Youth Action, U.S. Dept. of Labor "Urban Studies Curriculum."

Other Activities:

Consultant, U.S. Dept. of Labor, on Equal Pay Law
Field Reader, Office of Education
Member, OAS Mission to Latin American Universities

Professional Memberships and Offices:

American Economics Association
Industrial Relations Research Association (Member, Executive Committee)
Association for Evolutionary Economics (Vice-President)

Professor Friedman:

Federal Research:

Principal Investigator - Administration in the Aging, "Inter-Union Pre-Retirement Project"
Consultant, OEO New England Trade Union Training Project

Honors Committees:

Honors Thesis Committee

Professional Memberships and Offices:

Industrial Relations Research Association
University Labor Education Association (Secretary-Treasurer)
Martin Luther King Social Action Committee
Amherst Human Relations Council
Committee on Labor-Management Relations, Boston Bar Association
Advisory Committee to State Board of Conciliation & Arbitration
Task Force on Collective Bargaining, State Board of Education
Governors Task Force on Collective Bargaining
Research Advisory Task Force of the Boston Federal Executive Board
Mediators Panel, New England Plan, American Arbitration Association

Other Professional Activities (continued)

Mr. Cass:

Federal Research:

Consultant, OEO New England Trade Union Training Project
Member, Advisory Council, Dept. of H.E.W. Mass. State Board of Education, E.S.E.A., Title III Project

Professional Memberships and Offices:

Secretary of the Commonwealth's Blue Ribbon Panel on Campaign Expenditures (Vice Chairman)
Special Advisor to Secretary of State Relative to Voting Procedures with the Commonwealth of Massachusetts
Massachusetts Council for Public Schools (Executive Board)
Anti-Poverty Program, Commonwealth Service Corps (Advisory Council)
Catholic Labor Guild (Advisory Council)
Boston Public Schools Office of Program Development (Advisory Council)
Sub-Committee on Elementary Schools
Massachusetts Rehabilitation Commission Advisory Committee in the Planning of Workshops and Rehabilitation Facilities Project
College Scholarship Award Committee, I.L.G.W.U.
The Commonwealth of Massachusetts Department of Education, Division of Curriculum and Instruction, Bureau of Vocational Education Advisory Council

Mr. Lanzilli:

Federal Research:

Consultant, New England OEO Trade Union Project
Consultant, Inter-Union Pre-Retirement Program

Professional Memberships and Offices:

Industrial Relations Research Association
Community Services Planning Council Health Committee
Worcester Model Cities Labor Committee
Workers Educational Local #189, American Federation of Teachers

Mr. Brooke:

Professional Memberships and Offices:

Industrial Relations Research Association

G. LRRC Colloquia

Dr. Herman Miller, Economist	Nov. 1, 1968
George Haythorne, Labor Ministry, Canada	Mar. 17, 1969

V. ACCOMPLISHMENTS

During fiscal 1969, work at the Labor Relations and Research Center continued to expand.

Degree Program

The number of students in the degree program totalled 18 during fiscal 1969 (fifteen fully matriculated and three special part-time students). In June, 1969, seven students graduated with Master of Science in Labor Studies degrees; an eighth student received his degree in January, 1969. Inquiries during the year reached from all sections of the country. For September, 1969, 23 students have been admitted to the program. If all report in the fall to commence their studies, the total will be 30 full-time, 2 part-time.

Changes in the curriculum for the M.S. in Labor Studies degree have been made as follows: (1) increasing the number of credits required from 36 to 42; (2) introduction of a required course in Manpower Development; (3) reduction to one optional course in the core curriculum; (4) six credits added for a Research Practicum. In the latter, students will work with the Labor Relations and Research Center's Research Coordinator, Milton Brooke, under the supervision of the Director.

All first-year students were placed in summer internships as part of their degree program. Internship placement and supervision is administered by Professor Friedman, through direct contact with international and national unions, government agencies and research projects. Previous LRRC interns in all three areas have established the success of this portion of the academic program, which affects both the relationships of the LRRC with the unions and agencies involved and the important area of placement for graduates of the program. Almost without exception, students are considered for jobs with the organizations with which they serve in the summer.

Second-year M.S. in Labor Studies students are required to participate in the labor education extension program as part of their field work, although they may opt for a master's thesis, as was done by one student this year. Individual students assigned to Messrs. Cass, Friedman and Lanzilli were involved in various phases of the planning, development of materials and, in some cases, instruction of courses and conferences. Staff evaluations of the work of students under their supervision, which become part of the permanent record, indicate an increased number of graduates who show both interest and ability in the labor education field. Practical application of academic skills is afforded in the field work portion of the program. This will be expanded, if possible, next year to include assignment of students to work directly with staff of unions throughout the state.

Research

Professor Solomon Barkin, research associate in the LRRC, has received a year's extension for his research project on manpower policies, funded by

the U. S. Department of Labor in the amount of $22,854. This project is sponsored by the Labor Center. Professor Barkin is developing several other proposals of a research nature under the aegis of the Center. He has received a second grant from the Labor Department in the amount of $14,904, to plan for a series of papers and studies to be presented to a seminar to discuss the interrelationship between economic and manpower policy.

A planning grant to develop a study of undergraduate training in urban studies was funded by the Coalition on Youth of the Department of Labor, in the amount of $5,000 for three months. The proposed curriculum has been approved by participating departments of the University and has been recommended for adoption pending adequate funding for staffing purposes.

Professor Friedman is Principal Investigator for the Inter-Union Pre-Retirement Training Program, funded by the Administration on Aging, Department of Health, Education and Welfare for the first of two grant years in the amount of $41,256. This program, which is proceeding on schedule, seeks to demonstrate methods for meeting the needs of pre-retirees on an inter-union cooperative basis.

Meanwhile, the Center staff has been cooperating with other departments and units on campus moving toward the development of research and training in gerontology. Professor John O'Rourke of the Department of Sociology is working on a proposal to develop an interdisciplinary institute on gerontology.

All faculty research projects are moving forward and publishable materials have been forthcoming. There are currently four research associates: Professors Stanley Young (School of Business Administration), Curt Tausky (Sociology), Solomon Barkin (Economics), and George Sulzner (Government.) As previously indicated, the research associates consult with the Labor Relations and Research Center and undertake research on behalf of the Center.

Extension

During the year the labor education service was able to reach 3,073 participants. It should be noted that the program reaches a number of unions not previously served. In addition to the latter, numerous courses continue to develop as a result of earlier LRRC programs.

Further expansion of the program may be noted in terms of subject areas which have developed. In addition to the regular stewards and officers training courses in union administration; contract administration and negotiation; grievance procedure and grievance handling; and conduct of union meetings, several unions have expressed interest in areas beyond these "tool" subjects. Public relations and current urban problems are examples of new course development areas. One of the most frequently requested courses is in work measurement and job evaluation. Several unions requested courses in health and welfare provisions, with emphasis on Medicaid and Medicare programs.

As in the past, a large number of courses were conducted for employees in the public sector, primarily in interpreting the various collective bargaining laws and their implementation. One new field of activity in this connection has been development of programs for federal government employees.

These developments have required increased use of specialists as ad hoc instructors for the courses, which often run for one or two days a week, for a period of six to eight weeks. Faculty of the University and others have been most cooperative when called upon. Among attorneys frequently asked to lecture have been Messrs. Albert Goldman, Robert Manning, and Stephen Domesick from the law firm of Angoff, Goldman, Manning and Pyle, as well as Attorneys Arthur Flamm, Harold Roitman, Richard Coleman, Richard Ferrullo, Robert Weihruch, Lawrence Locke, and Arbitrator Arnold Zack. They have taught some of the basic courses in the areas of contract negotiation and enforcement, arbitration, parliamentary procedure, and grievance procedure, where their special competence in the legal implications of these processes is of prime importance.

Instruction in the complex area of work measurement systems was provided during the past year by Mr. Hector Cameron, noted industrial engineer, and Professor Benjamin Davies of the University of Massachusetts Industrial Engineering Department. Courses in public speaking were conducted by Dr. John Lawton, Chairman of the Speech Department at Boston College.

In the area of encouraging new types of labor-management exposure, all-day conferences including representatives of both labor and management have proven to be popular. The New England Arbitration Conference and Teacher Collective Bargaining Conference are examples of jointly sponsored programs which have been established on a continuing basis each year.

Keynote speakers at statewide and regional conferences included many distinguished specialists in labor-related fields. A panel discussion at the fourth annual arbitration conference included Professor Daniel MacLeod of the Boston University School of Law, Professor John Hogan of the University of New Hampshire, and Arbitrator William Fallon. Keynote speaker for the conference was Professor Robert Stutz, University of Connecticut.

The regional Teacher Collective Bargaining Conference included among its speakers and panelists Dr. Howard Myers of Northeastern University, Arbitrator and Mediator Arnold Zack, Dr. Charles Bunker of Quinsigimond Community College, Prof. Karl Wesolowski of Salem State College, Prof. Stanley Young of the Univ. of Mass. Management Department, Joseph Robinson, Esq., Authority on School Law, and Arbitrators William Fallon and Joseph Curran.

A one-day conference held in Boston for the AFL-CIO Industrial Union Department on the subject of "Taxes and Public Welfare", included among its speakers Robert McClain, Fiscal Adviser to the Commonwealth's Joint Committee on Taxation, and State Senator Beryl Cohen.

The geographical distribution of labor education extension programs indicates the statewide acceptance and participation in this area of the Center's activity. The Worcester office provides additional direct contact in that area, complementing the Amherst and Boston programs, and aiding in efforts to meet the continued high demand for these programs.

The staff of the LRRC awaits the completion of the new Lincoln Campus Center, offering special modern facilities for conferences, institutes and workshops. Although there have been numerous requests for summer institutes and conferences, we have sought to postpone such programs until adequate on-campus facilities are available.

Library

With the employment of two skilled librarians on a part-time basis, much progress has been made in organizing the Labor Relations and Research Center library, housed in Draper Hall. Expansion of the physical space for the library has been completed and further renovation has been funded.

VI.

LABOR RELATIONS AND RESEARCH CENTER

Labor Education Extension Program

July, 1968 - June, 1969

COMPLETED PROGRAMS

A.F.T.E. #151, Quincy, 5-week course, "Collective Bargaining and the Engineer", August 5 - September 3, 1968. Registrants 10. Mr. Cass

A.F.S.C.M.E., U/Mass. Amherst, Week-long Summer Institute, "Leadership Training Institute", August 18-23, 1968. Registrants 17. Mr. Friedman

I.U.E. Locals #221, 208, 258, 226, 276, 268, 212, Springfield, 6-week course, "Leadership Training", August 20, 27, September 10, 24, October 8, 15, 1968. Registrants 24. Mr. Friedman

GARDNER AREA LOCALS, Mt. Wachusett Community College, one day conference, "Labor History", September 9, 1968. Registrants 35. Mr. Lanzilli

S.C.T.E. Local #17, Lexington Cafeteria Workers, Bridge School, 6-week course, "Collective Bargaining", September 10 - October 15, 1968. Registrants 18. Mr. Lanzilli

U.P.P. Local #882, Pittsfield, Berkshire Community College, 8-week course, "Steward Leadership Training", September 11 - October 30, 1968. Registrants 21. Mr. Lanzilli

MASS. BOARD OF EDUCATION, U/Mass. Amherst, one day conference, "Teacher Collective Bargaining", September 28, 1968. Registrants 90. Mr. Friedman

A.F.G.E., Fall River, 6-week course, "Leadership Training Institute", September 30 - November 4, 1968. Registrants 29. Mr. Friedman

I.U.E. Local #272, U/Mass. Boston, 5-week course, "Contract Procedures", October 1 - November 7, 1968. Registrants 13. Mr. Cass

GREENFIELD COMMUNITY COLLEGE LABOR PROGRAM, 6-week course, "Current Labor Problems", October 3 - November 7, 1968. Registrants 14, Mr. Friedman

I.U.E. #200, North Adams, 6-week course, "Stewards Leadership Training", October 16, 30, November 6, 13, 20 & December 14, 1968. Registrants 17. Mr. Friedman

MASS. BOARD OF EDUCATION, Salem State College, one day conference, "Teacher Collective Bargaining, October 26, 1968. Registrants 95. Mr. Friedman

STEELWORKERS #6830, Milford, 5-week course, "Contract Administration and Enforcement", October 29 - November 26, 1968. Registrants 27. Mr. Cass

MASS. BOARD OF EDUCATION, Quinsigamond Communtiy College, one day conference, "Teacher Collective Bargaining", November 2, 1968. Registrants 75.
Mr. Friedman

U.W.U.A. #431, Fall River, 5-week course, "Contract Negotiations Techniques", November 7 - December 5, 1968. Registrants 14. Mr. Cass

FALL RIVER LABOR COUNCIL, 5-week course, "Public Affairs", November 7 - December 12, 1968. Registrants 37. Mr. Cass

MASS. BOARD OF EDUCATION, Bridgewater State College, one day conference, "Teacher Collective Bargaining, November 9, 1968. Registrants 100.
Mr. Friedman

I.L.G.W.U. #361, New Bedford, 5-week course, "Public Affairs", November 13-December 18, 1968. Registrants 32. Mr. Cass

INTERNATIONAL BROTHERHOOD OF BOILERMAKERS #1851, Willamansett, 8-week course, "Contract Negotiation and Work Measurement", November 18, 25, December 2, 9. 1968 & January 6, 13, 20, 27, 1969. Registrants 18.
Mr. Friedman

FOURTH REGIONAL ARBITRATION CONFERENCE, U/Mass. Amherst, one day conference, November 22, 1968. Registrants 255. Mr. Friedman

S.C.M.E. Local #137, Worcester State Hospital Employees, one day conference, "Building the Union", November 25, 1968. Registrants 32. Mr. Lanzilli

I.U.E. #201, Lynn, 4-week course (Basic course), "Stewards Training", November 26 - December 23, 1968 (AM & PM classes). Registrants 22.
Mr. Cass

I.A.M. STATE CONFERENCE, American International College, Springfield, two day conference, "Taxes 1968 - 1969", November 30 & December 1, 1968. Registrants 40. Mr. Cass

WORCESTER AREA LOCAL UNIONS, U/Mass. Worcester, one day seminar, "Labor History", December 3, 1968. Registrants 42. Mr. Lanzilli

MASS. BOARD OF EDUCATION, Northeastern University, one day conference, "Teacher Collective Bargaining", December 7, 1968. Registrants 105.
Mr. Friedman

OXFORD COUNTY CENTRAL LABOR UNIONS, University of Maine, one day seminar, "Stewards Leadership Training", December 7, 1968. Registrants 30.
Mr. Lanzilli

STATE LABOR OFFICERS, U/Mass. Amherst, one day conference, "Administration of Workmen's Compensation for State Employees", December 13, 1968. Registrants 20. Mr. Friedman

I.U.E. #201, Lynn, 4-week course, (Advanced Course) "The Union Contract, Arbitration and the Law", January 7 - 28, 1968 (AM & PM classes) Registrants 15. Mr. Cass

I.U.E. #294 & 223, Palmer, 7-week course, "Labor Problems", January 8-February 19, 1969. Registrants 20. Mr. Lanzilli

S.C.M.E. Local #137, U/Mass. Medical Building, Worcester, 7-week course, "Stewards and Officers Training", January 14 - March 18, 1969. Registrants 16. Mr. Lanzilli

O.E.O MASS. CENTRAL LABOR BODIES, U/Mass. Amherst, one day conference, "Trade Unions and Public Relations", January 15, 1969. Registrants 22. Mr. Friedman

UNITED MUNICIPAL EMPLOYEES, LOCAL #495, U/Mass. Medical Building, Worcester, 8-week course, "Steward Leadership Training", January 16 - March 6, 1969. Registrants 28. Mr. Lanzilli

I.B.E.W. #1505, Waltham, one day conference, "Public Laws and the Union Member", January 31, 1969. Registrants 189. Mr. Cass

SUGAR REFINERY WORKERS #1660, (Longshoremen's International Union), Charlestown, 6-week course, "Stewards Training", February 5 - March 26, 1969. Registrants 16. Mr. Cass

COMMUNICATIONS WORKERS UNION OF AMERICA #1365, North Andover, 7-week course, "The Steward and the Union", February 5 - March 26, 1969. Registrants 21. Mr. Cass

UNITED PAPERMAKERS AND PAPERWORKERS, LOCAL #872, UM Medical Building, Worcester, 7-week course, "Steward Leadership Training", February 17 - March 31, 1969. Registrants 18. Mr. Lanzilli

PIONEER VALLEY AFL-CIO COUNCIL, Springfield, 4-week course, "Stewards Training," February 19, 26, & March 4, 12, 1969. Registrants 47. Mr. Friedman

I.U.D. CONFERENCE, Boston, one day conference, "Taxes and Public Welfare", February 28, 1969. Registrants 197. Mr. Cass

RETAIL, WHOLESALE, DEPARTMENT STORE UNION, Springfield, one day conference, "Union History", February 28, 1969. Registrants 25. Mr. Friedman

LOCAL #648, AFSCME,(Division of Employment Security), Framingham State College, one day conference, "Labor Relations Seminar", February 28, 1969. Registrants 30. Mr. Friedman

S.C.T.E. FIREMEN ASSOCIATION, Gardner, one day conference, "Contract Enforcement", March 5, 1969. Registrants 28. Mr. Lanzilli

UTILITY WORKERS UNION OF AMERICA #369, Dorchester, 5-week course, "Public Affairs", March 10 - April 7, 1969. Registrants 18. Mr. Cass

AFGE, U/Mass. Amherst, four day conference, "Leadership Training Institute", March 26-29, 1969. Registrants 42. Mr. Friedman

NORTHAMPTON BUILDING AND CONSTRUCTION TRADES COUNCIL, four week course, "Public Relations", March 27 - April 17, 1969. Registrants 12. Mr. Cass

U.W.U.A. #273, Brocton, 5-week course, "The Steward and the Contract", April 1 - 29, 1969. Registrants 13. Mr. Cass

UNITED ELECTRICAL RADIO AND MACHINE WORKERS, LOCAL #259, Holyoke, 6-week course, "Steward Leadership Training", April 3 - May 8, 1969. Registrants 33. Mr. Lanzilli

A.F.T.E. Local #140, Pittsfield, 4-week course, "Stewards Training", April 7 - 28, 1969. Registrants 17. Mr. Friedman

I.U.E. Local #200, North Adams, 6-week course, "Stewards Leadership Training", April 8 - May 27, 1969. Registrants 21. Mr. Friedman

UNITED STEELWORKERS OF AMERICA #3654, Whitinsville, 6-week course, "Contract Administration", April 8 - May 13, 1969. Registrants 29. Mr. Cass

FALL RIVER LABOR COUNCIL, 5-week course, "Public Speaking", April 14 - May 12, 1969. Registrants 31. Mr. Cass

UNITED FEDERATION OF POSTAL CLERKS, AFL-CIO, Northeastern University, Burlington, one day conference, "Stewards Training - A Preliminary Approach", April 19, 1969. Registrants 51. Mr. Friedman

N.E. DISTRICT COUNCIL NO. 1 OF F.W.A., Boston, two day conference, "Grievance Procedure, Arbitration, and Job Evaluation", April 19 & 20, 1969. Registrants 61. Mr. Cass

C.W.A. #1365, North Andover, 5-week course, "Contract Implementation", May 7 - June 4, 1969, Registrants 27. Mr. Cass

I.L.G.W.U. #361, New Bedford, 4 groups of 25 stewards each, "Stewards Training", May 6 - 27, June 3 - 24, and June 4 - 25, 1969. Registrants 100. Mr. Cass

NATIONAL ASSOCIATION OF LETTER CARRIERS, AFL-CIO, U/Mass. Amherst, two day conference, "Labor Relations Seminar", May 10 and 11, 1969. Registrants 125. Mr. Friedman

EMPLOYEES UNION OF COLONIAL PRESS, Clinton, 6-week course, "Steward Leadership Training", May 12 - June 23, 1969. Registrants 18 Mr. Lanzilli

IAM #1420, Westfield, 4-week course, "Stewards Training ", May 12, 28, June 2 - 23, 1969. Registrants 26. Mr. Friedman

DALU #23917, Willamsett, one day conference, "Labor History", May 14, 1969. Registrants 22. Mr. Friedman

I.U.E. #277, Winchester, May 15, 1969. Registrants 15. Mr. Cass

SOUTHEASTERN N.E. DISTRICT COUNCIL OF I.L.G.W.U., Sea Crest, three day conference, May 16 - 18, 1969. Registrants 200. Mr. Cass

BOSTON LABOR COUNCIL, U/Mass. Boston, "Human Relations Institute", May 1969. Registrants 31. Mr. Cass

RETAIL CLERKS #224, Quincy, June 2 - 30, 1969. Registrants 28. Mr. Cass

MASS. STATE COUNCIL OF THE I.A.M., State wide conference, June 7 - 8, 1969. Registrants 50. Mr. Cass

I.L.G.W.U. #178, Fall River, one day conference, June 16, 1969. Registrants 169. Mr. Cass

I.U.E., N.E. REGION, U/Mass., Amherst, Five day summer institute, "Leadership Training Seminar", June 22-27, 1969. Registrants 30. Mr. Friedman

VII. FUTURE PLANS AND NEEDS

Opportunity has arisen with completion of the proposed undergraduate urban studies course which may provide for development of the LRRC undergraduate concentration. Of course, adequate development of this program requires requisite staffing within the Center.

Increased work load in the Extension Staff makes it essential to provide "backup" staff in the form of a materials developer who can relieve field staff of the task of preparing outlines, work books, and the like for the extension program.

It should be emphasized that the staff of the Center expects to maintain the rapidity of its expansion in the labor education service. The only constraint on reaching a maximum number of labor people stems from the number of Center staff assigned to this area. The growth of the labor education extension program indicates the existence of a large need in the Commonwealth. It is the hope of the Center that it will be able to meet this challenge.

Projecting these views, we still visualize the need for an additional field representative. Concurrently with this expansion there will be need for additional office personnel. Indeed such additional staff has been required for two years. It must be stressed that comparisons with academic departments in terms of backup staff are not valid, for the LRRC is involved in direct service that generates vastly more work. Considering the broad scope of the program, encompassing academic work, research activities, extension, and related professional activities, all of which the Center seeks to operate in an integrated manner, the work load grows exponentially while staff expansion is substantially less than arithmetic. The consequence is a series of ad hoc crises involving efforts to obtain temporary help, delay in projects, and a continued revision of deadlines. At times, some of these problems are occasioned by the inefficiency of vendors, which can be corrected by shifting to alternative sources. However, where problems arise internally, it is clear that the "back up" services essential to proper functioning must be provided. We visualize that all of these matters will become more acute without additional staff, since all areas of activity will undoubtedly continue to expand.

Toward this end, we visualize the need for expansion and restructuring of the staff. Additional field staff and the demands for LRRC services form the framework for the latter process.

The Labor Center anticipates staffing requirements as indicated below:

FISCAL 1970	FISCAL 1971
Director	Director
Assistant Director (Amherst)	Assistant Director (Amherst)
Assistant Director (Boston)	Assistant Director (Boston)
Field Rep. (Staff Asst. --(Worcester)	Field Rep. (Staff Asst.--Worcester)
Field Rep. (Staff Asst.) New	Field Rep.
Research Staff Assistant	Research Staff Assistant
Materials Developer	Materials Developer
Principal Clerk (Amherst)	Principal Clerk (Amherst)
	Senior Clerk-Steno (Amherst) New
Senior Clerk-Steno (Amherst)	Senior Clerk-Steno (Amherst)
Senior Clerk-Steno (Worcester)	Senior Clerk-Steno (Worcester)
Senior Clerk-Steno (Boston)	Senior Clerk-Steno (Boston)
Junior Clerk-Steno (Amherst)	Junior Clerk-Steno (Amherst)
Librarian (Grade 6)	Librarian (Grade 6)

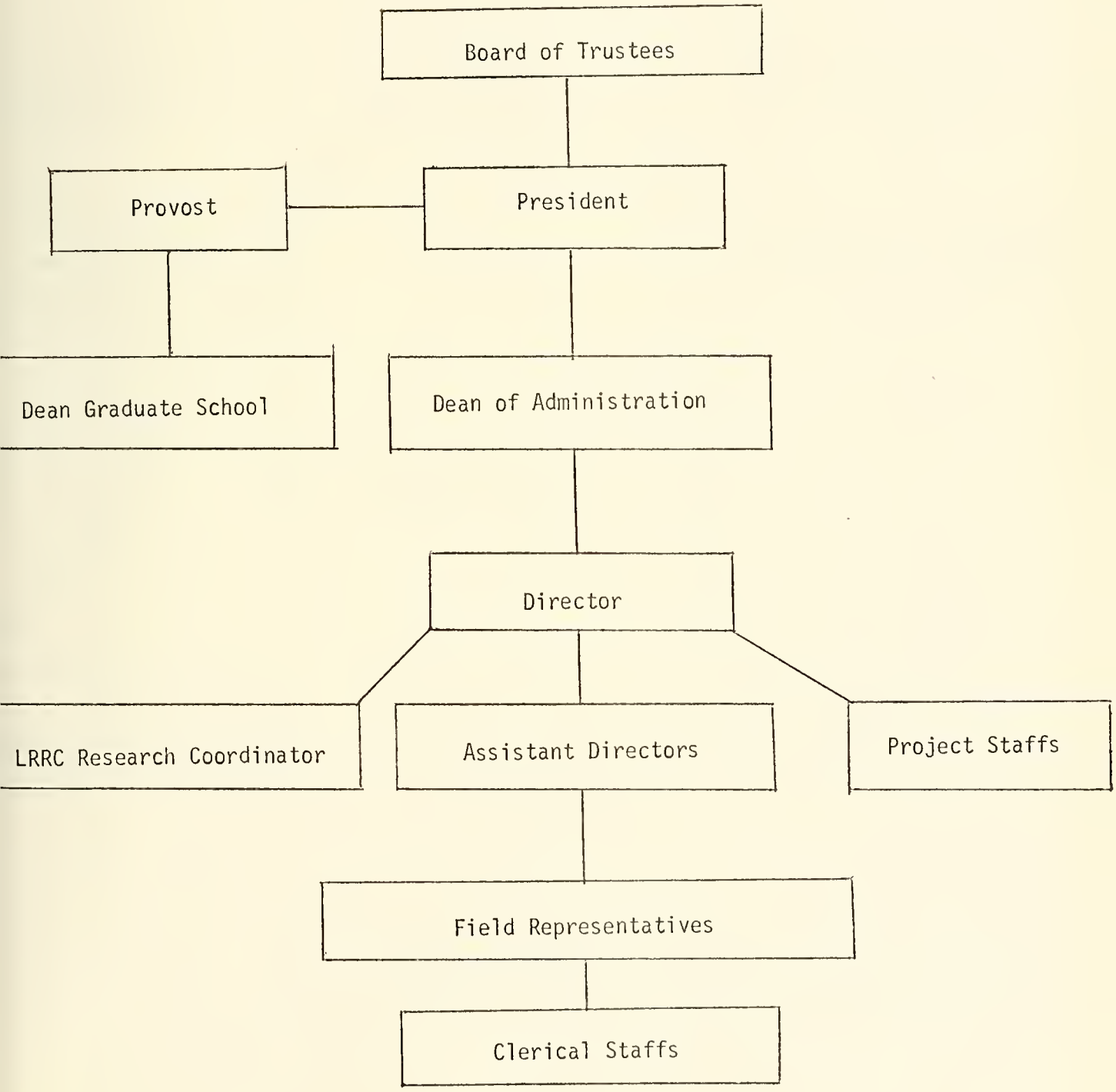
With this minimum level of staffing provided, the LRRC will not only be able to respond reasonably to the increasing demands being made upon it, but will continue to develop into one of the outstanding programs of its kind in the nation.

APPENDIX A

LRRC

Table of Organization

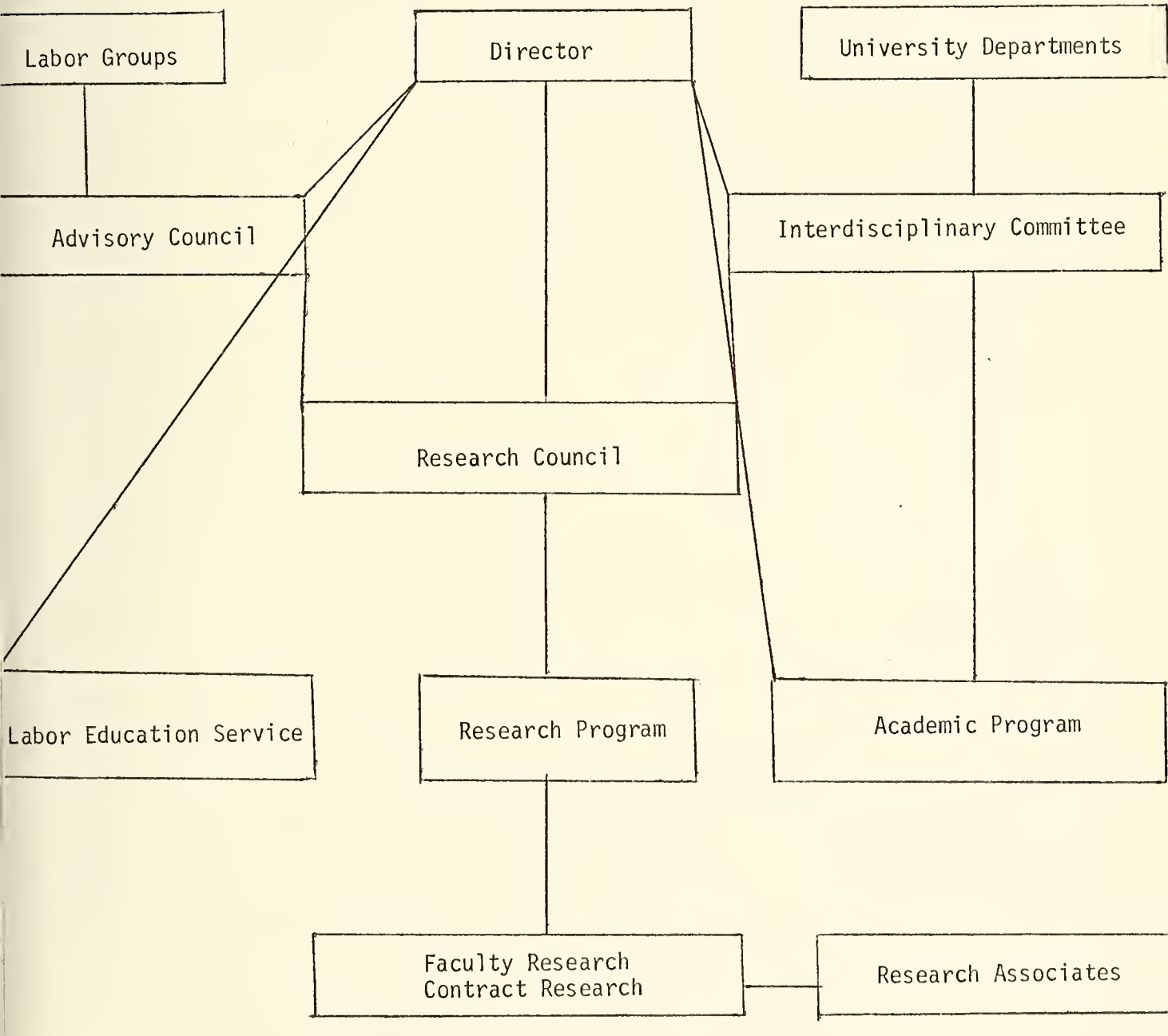
Staff



APPENDIX B

LRRC

Functional - Structural Flow Chart



Department of Public Health

ANNUAL REPORT

July 1, 1968 - June 30, 1969

University of Massachusetts

Amherst, Mass.

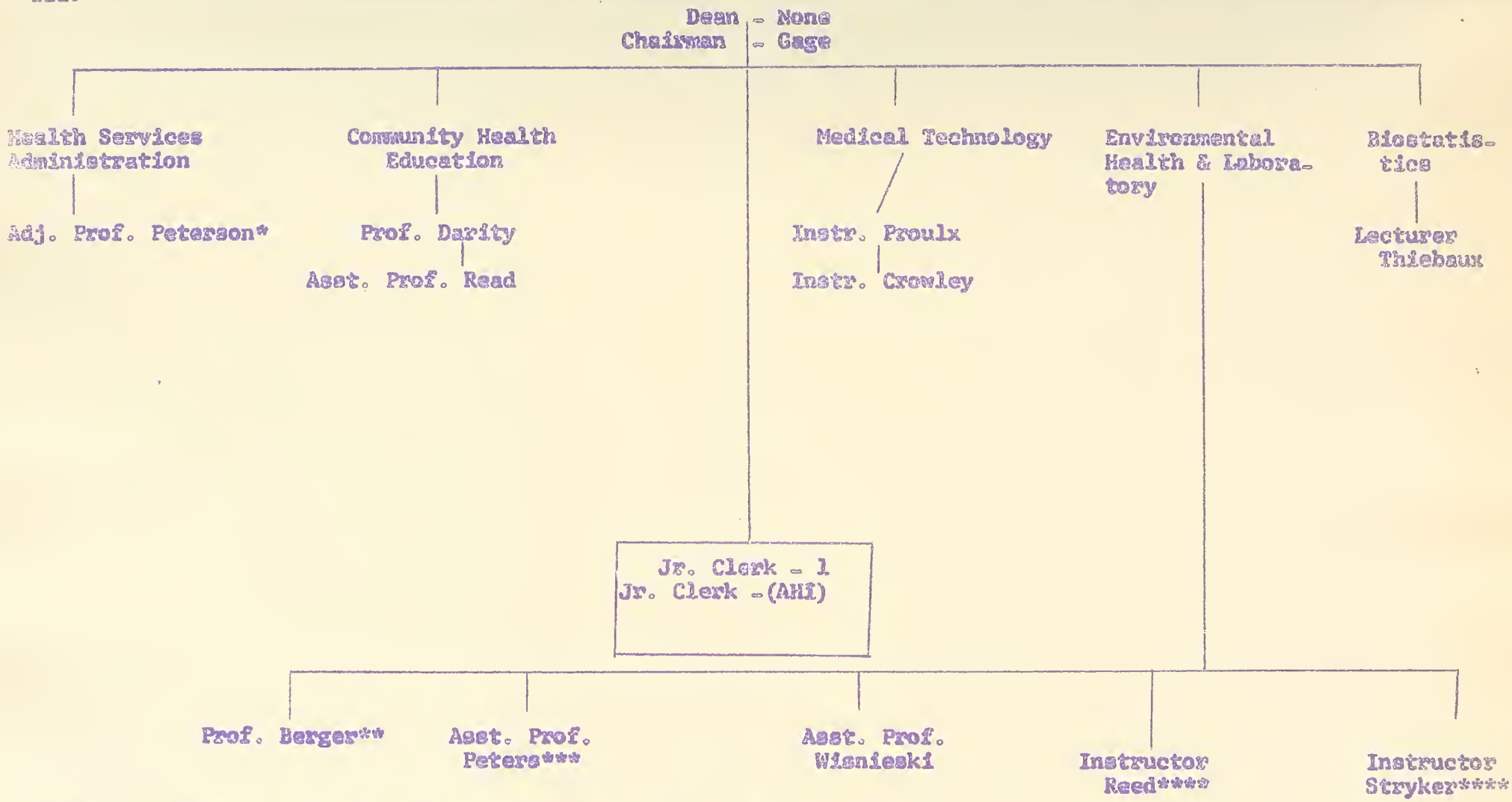
I. Appropriation

Account	1966-67 (Appropriations)	1967-68 (Appropriations)	1968-69 (Appropriations)
03	$ 8300.00	$ 5700.00	$ 4000.00
06	-	-	-
10	1150.00	650.00	650.00
11	-	-	-
12	200.00	250.00	250.00
13	5100.00	5150.00	5150.00
14	400.00	400.00	400.00
14.1	400.00	600.00	1000.00
15	1000.00	1000.00	1000.00
15.1	500.00	-	-
16	-	62.13	100.00

II. Personnel

	1966-67	1967-68	1968-69
Chairman, part-time	1	1	1
Professor	-	1	1
Professor (part-time) (Dir. Water Resources Research Center)	1	1	leave of absence
Associate Professor	2	1	-
Assistant Professor	1	1	2
Assistant Professor (part-time) (Dir. Env. Hlth. & Safety)	1	1	1
Instructor	1	2	2
Instructor (part-time)	-	1	2
Lecturer (part-time)	-	1	2
Adjunct Professor	1	1	1
Secretary (Jr. Clerk)	1½	2	2

III.



* Director, Western Regional Office, Massachusetts Department of Public Health. Serves as Adjunct Professor.

** Director, Water Resources Research Center, Academic Appointment, Professor of Public Health. (On leave of Absence.

*** Director, Environmental Health and Safety.

**** Staff Assistant, Environmental Health and Safety

IV. Students

	1966-67	1967-68	1968-69
(a) Majors			
1. Med. Tech.	100	98	98
2. Pub. Hlth.	22	34	26
3. Pub. Hlth. (Graduate)	15	22	15
(b) Students taught:			
1. Univ. of Mass.			
1st. semester	321	477	354
2nd. semester	186	428	379
2. Stockbridge	73	66	85

BERGER, BERNARD B., Professor

On temporary assignment to the Office of Science and Technology, Executive Office of the President, Washington, D.C.

CROWLEY, JUDETH A., Instructor and Acting Medical Technology Coordinator

Professional Activities

Massachusetts Association of Medical Technologists
Member - Legislation Committee
Nominations Committee

Pioneer Valley Medical Technologists Association
Member - Executive Board (Past-President)

Professional Societies

American Society of Medical Technologists
Massachusetts Association of Medical Technologists
Pioneer Valley Medical Technologists Association
Massachusetts Public Health Association
New England Symposium on Medical Technology Education

Meetings Attended

"Medical Technology Education - Fact or Fiction" - Regional Seminar at West Virginia University, Morgantown, W.Va., Oct. 11-12, 1968

Massachusetts Association of Medical Technologists
Semi-annual meeting - Boston Children's Hospital - Nov. 23, 1968
Annual Meeting - Chicopee, Mass.
April 16-18, 1969; presided at general session

American Society of Medical Technologists
Annual Meeting - Philadelphia, Pa. June 21-27, 1969

New England Symposium on Medical Technology Education
Annual Meeting, May 9, 1969 - Merrimack College, N. Andover, Mass.

"Postgraduate Course in Medical Microbiology" - University of Nebraska, College of Medicine, Omaha, Nebraska - March 27-28, 1969

"Postgraduate Course in Medical Technology" - University of Colorado School of Medicine, May 12-16, 1969.

DARITY, WILLIAM A., Ph.D., Professor

Publications

"A Study of Attitudes of Professional Health Personnel: An Inquiry into Barriers to Family Planning." Advances in Planned Parenthood, Vol IV. - (accepted in process) jointly with H. Jean Thiebaux.

"The Need for Sex Education," The Journal of the Association of the Visually Handicapped, (accepted - in process)

Community Health Education: A Strategy in Community Action. (Book) The Macmillan Co., 1970 (in process).

Research

Study in process: Race & Ethnic Consciousness as Barriers to Family Planning.

Grants

U.S.P.H.S., Biomedical Science Grant, Research into Race & Ethnic Consciousness as Barriers to Family Planning.

N.I.H., grant, Research into Race & Ethnic Consciousness as Barriers to Family Planning

Other Activities: New

Consultant to Bio-Dynamics in Review of Family Planning Programs in Harrisburg, Pennsylvania and Hackensack, New Jersey.

Consultant to North Carolina Fund and Ford Foundation in Review of Community Action Programs.

Consultant to Tufts Medical School Community Medicine Program.

Consultant to Franklin County Hospital, Rehabilitation project.

Consultant to Hunter College, CUNY, Faculty and curriculum development in community health education.

Member of Public Health Grant Review Committee, National Institutes of Health - 1969-73.

Darity, William A., con't.

Other Activities: Speeches, papers, special lecturers.

Speech and Conference with Committee on Sex Education, South Deerfield Public Schools, Sept. 3, 1968.

Planning Committee on Inner City Research. Oct. 2, 1968.

Panel Speaker: North Congregational Church-Amherst, "Sex Education and Christian Responsibility", Oct. 27, 1968.

Speech: "Sex Education: How Should It be Taught," Meeting of Western Massachusetts Science Teacher Association., November 2, 1968.

Speech: "Social Implications of Birth Control," LRY-Unitarian Society, December 6, 1968.

Speech: "Sex Education and the Schools," Parents of Students in South Hadley Schools. March 20, 1969.

Speech: "Sex Education, Teachers, and the Schools," Westminster Teachers Association, Massachusetts, April 16, 1969.

Special Lectures

Smith College, "The Responsibility of Health Education in Community Health Development," April 30, 1969.

Papers

"A Study of Attitudes of Professional Health Personnel: An Inquiry Into Barriers to Family Planning: presented before the Annual Meeting of the American Association of Planned Parenthood Physicians. San Francisco, April 9, 1969. (Jointly with H. Jean Thiebaux.)

New Professional Services and Affiliations during the year.

President-elect, Society of Public Health Educators, Inc.
Public Interpretation Committee, American Public Health Association.
President, Hampshire Mental Health Association
Appointed member, Franklin-Hampshire County Area Mental Health and Mental Retardation Board.

Other Activities

Organized and moderated panel on "Population Dynamics" Annual Meeting New England Public Health Association, May 21, 1969.

Talk: "Barriers to Family Planning with Implications for Education" New England Health Education Association, April 9, 1969. Northfield, Mass

Darity William A., con't.

University of Massachusetts

Scholarship and Financial Aid Committee.

Committee for Collegiate Education of Black Students.

GAGE, ROBERT W., M.D., Chairman (Director, University Health Services)

Professional Activities

University of Massachusetts
University Health Council, Chairman 1968-69

Board of Admissions and Records, Member

Faculty Senate, Member

American College Health Association

President-Elect 1968-69; President 1969-70

Committee on Recommended Standards and Practices, Chairman, 1968-69

Executive Planning Committee for Fifth National Conference on Health in College Communities

American Medical Association - American College Health Association Liaison Committee

Massachusetts Chapter, American Academy of General Practice

Vice-President 1968-69

Collaborative Research Committee, Member

Easter Seal Society - Member Professional Advisory Committee

Consultant

Hampshire College

Northampton School for Girls

Greenfield Community College

Participant
American Public Health Association - Annual Meeting November 1968

President, Hampshire District Medical Society, 1968-69, 1969-70

Speaker

Massachusetts Association Women's Deans and Counselors, March 1969

University Day for Women, University of Massachusetts, June 1969

PETERS, HOWARD A., Ph.D., Assistant Professor of Public Health

Professional Activities

Director of Environmental Health and Safety
University Health Council, Secretary
Member, Ad hoc Long Range Planning Committee, Faculty Senate
Served as member of committee on Sanitarian and Sanitarian Technician Curriculums, U.S. Public Health Service, Washington, D.C.
Attended American Public Health Association Annual Meeting, Detroit, Michigan, Nov. 11-15, 1968.
Presented paper, "Environmental Quality Management and the Need for Pre-Entry Professional Education and Post-Entry In - Service Training in Environmental Health" at the Institute on Environmental Quality Management, University of Connecticut, Storrs, Conn., December 13, 1968.
Guest speaker, annual meeting of the Hampshire County Public Health Association, April 29, 1969. Topic: "Our Deteriorating Environment."
Elected as Fellow, American Public Health Association, November, 1968.
Elected as Full Member, Sigma Xi, April, 1969.

Grants and Projects

Co-Director of Air Pollution Control Training Grant from Air Pollution Control Administration, Department of Health, Education and Welfare. Co-sponsored by Department of Public Health and School of Engineering. Three year continuing grant approved April, 1969.

PETERSON, JEROME S., M.D., M.P.H., Adjunct Professor

Board of Directors of the Massachusetts Conference on Social Welfare, Vice-President, 1969-70.

Representative of the Massachusetts Public Health Association to the Governing Council of the American Public Health Association and also served on the Executive Committee of the Massachusetts Public Health Association.

Member of the Committee for the Collegiate Education of Black Students.

Chairman of the Program Committee for the annual meeting of the New England Public Health Association; Vice-President of the New England Public Health Association.

Organized an Amherst Committee to prepare a weekend visit to Amherst by members of the delegation attending the World Health Assembly in Boston in July 1969.

PROULX, MARY JEAN, Instructor and Medical Technology Coordinator

Meetings attended

"Medical Technology Education - Fact or Fiction" Regional Seminar
West Virginia University, Morgantown, W.Va., Oct. 11-12, 1968.

Massachusetts Association of Medical Technologists Semi-annual Meeting
Boston Children's Hospital - Nov. 23, 1968.

Professional Societies

Pioneer Valley Medical Technologists Association
Massachusetts Association of Medical Technologists
American Society of Medical Technologists
New England Symposium on Medical Technology Education

READ, DONALD A., Ed. D., Assistant Professor

Books published

The Concept of Health, Boston: Holbrook Press, 1969
A Student Guide to Better Understanding in Health, Boston: Holbrook Press, 1969.

Books in Progress

Drugs and People, Boston: Allyn and Bacon, Inc., due June 69.
Creative Teaching of Health, New York: Macmillan Co., due 1970.
New Directions in Health, New York: Macmillan Co., due 1971

Papers

"The Influence of Competitive and Non-competitive Programs of Physical Education on Body-Image and Self-Concept," presented at the American Association of Health Physical Education Convention in Boston, 1969.

Above paper published in Abstracts of Research Papers

REED, GEORGE H., JR., Instructor

Professional Activities

Attended Yankee Conference, Newport, Rhode Island, September 18-20, 1968.

Active in Hampshire Association for Mental Health - Board Member and Chairman, Education Committee. Attended Leadership Conference, Massachusetts Association for Mental Health, Lexington, Massachusetts, January 24-25, 1969.

THIEBAUX, H. JEAN, Ph.D., Lecturer

Publications:

"A Study of Attitudes of Professional Health Personnel: An Inquiry into Barriers to Family Planning." Advances in Planned Parenthood. Vol. IV - (accepted in process) jointly with William A. Darity

Research:

Contribution to joint proposal for a grant to study fertility control barriers in the black population of the U.S. - including extensive personal study of fertility in the U.S. and fertility control programs, and indentification of data collection centers, their policies, coverages and publications.

Analysis of information collected in survey of health professionals' attitudes toward family planning programs, and preparation of paper reporting these results.

Development of statistical testing procedure believed to be more appropriate to some classes of problems of biological origin than those presently in use.

Other

Guidance of graduate and undergraduate students in
a. creating study designs appropriate to ultimate statistical analysis.
b. orderly description of findings.
c. choice and use of statistical tests.

Preparation of new course request documents.

Re-evaluation of statistics requirements for public health students-including personal study of alternate approaches to statistics presentations and communications with statisticians, professors of statistics, and students.

WISNIESKI, KAROL S., M.P.H., Assistant Professor

Research

Sabbatical leave, Harvard School of Public Health, July 1, 1967 to July 1, 1968. Started an epidemiological case history study entitled Boston Air Pollution - Chronic Respiratory Diseases. Prepared preliminary report of this study.

As part of the course in Public Health 380, Environmental Health Lab II, the stream pollution study was extended by taking samples weekly during a twelve week period. The objective of this effort was to measure the shift in sanitary quality of Fort River as it flows through Amherst from a stable winter condition through the spring thaw. Physical, chemical and bacteriological tests were made; tabulations and interpretations of tests are being prepared for publication.

Professional Societies

Member, National Accreditation Council for Undergraduate Curricula in Environmental Health.

Member, New England Advisory Committee on Education of Administrators of Health Care Facilities.

VI. Activities and Major Accomplishments

Another part of the curriculum in community health education has been rounded out with the introduction of the course in human sexuality. Unfortunately, the course has been oversubscribed and enrollment curtailed. In order to meet the demand, it will have to be presented in multiple sections in the future, since this particular course does not lend itself to being offered to large groups in which free discussion is difficult or impossible.

Opportunities for field training have been established in nearby communities, with one of the students accepted for field training by the University Health Services. There are many advantages to having students located closer to Amherst in situations where there can be closer supervision by members of our faculty.

The program for accreditation of community health education curricula by the American Public Health Association has been approved and is ready for implementation. Application has been accepted for evaluation of the program at the University of Massachusetts, with visit of the accreditation team scheduled for mid-October. Accreditation is important, since it will make possible the award of traineeships to support students studying in this curriculum.

The traineeship awarded by the U.S. Public Health Service for support of students in the environmental health program has continued, with four students supported during the present year and the prospect of support for eight during the coming academic year. Our happy problem of find-

ing well qualified graduate students to whom traineeships may be awarded is the reverse of our difficulty two years ago when support for qualified students was totally inadequate.

A joint proposal with the Departments of Civil Engineering and Chemical Engineering for a graduate program in air pollution has been approved by the U.S. Public Health Service and several traineeships are available in this area. The development and approval of this proposal is demonstration of the viability of interdepartmental cooperative projects.

With the appointment of a new faculty member in the area of health services administration, we now have both improved support for the community health education and environmental health programs and an opportunity for development of the concentration in health services administration.

Again, the department has been awarded the grant for extension of the medical technology program under the terms of the Allied Health Professions Training Act. During the past year, the medical technology program was enriched by the appointment of an additional member of the faculty to assist the coordinator in supervision of teaching programs in the affiliated hospitals. In addition, it has been possible to add substantially to the departmental library and to acquire additional audiovisual aids which have been very helpful in strengthening the program.

VII. Special Projects

A joint proposal was drawn up by faculty from the Departments of Public Health, Psychology and Sociology and submitted for a grant to support the study of race consciousness as a factor in family planning. The proposal was met with lively interest by both the U.S. Public Health Service

and a private foundation. Preliminary support has been awarded from N.I.M.H. in the form of a grant to develop the instrument to be used for the larger survey. This is a new area which has not been studied in depth by other investigators, one which holds considerable promise for the future for both professional interest and sound financial support.

The other development of greatest interest has been the increasing involvement of students in discussions and decision-making in the Department. A student organization was formed, composed of departmental majors, entirely by student initiative. The group requested and was granted an opportunity to participate in all faculty meetings. It is noteworthy that their participation has stimulated greater interest and improved communication. One practical result has been a highly successful evaluation of all courses for the second semester by an instrument and method worked out jointly by faculty and students.

In addition, students have participated actively in interviewing candidates for faculty positions.

VIII. Future Needs

During the past eight years the Department has developed considerably from its origin as a remnant of the previous Department of Public Health and Bacteriology. The faculty has grown in size and strength. The curriculum has been fortified, especially in the area of graduate instruction and through the development of the medical technology program, strong working relationships have been developed with other departments within the University. One of the original aims, that of guiding the department to a position which would justify and encourage the appointment of a well-qualified full-time department head, has been achieved. Future needs are for an acceleration of support in space and financial resources and for clarification of the Department's future development. In August, 1968, a proposal for a school of public health at the University of Massachusetts was presented for review by the administration. A recapitulation of the salient observations and recommendations of this report are repeated here as an outline of future needs.

A. Needs - There is a rapidly increasing need for more professional public health workers and health scientists in the physical, life, and social sciences. The health "industry" is now the nation's third largest, with expenditures last year for all health related services and supplies of approximately 40 billion dollars. It utilizes approximately 6% of GNP; the proportion will increase in the future.

Most critical for the nation is the use for not only increased financial resources but also more and better trained personnel and a restructuring of health delivery systems.

In the face of this increased need for public health manpower there

is no state university which has a school of public health in the north-eastern part of the United States.

B. Goals and Objectives

The ultimate goal of the Department(or a school of public health) should be to establish an academic unit within the University which is committed to providing continuing high-quality leadership in the areas of instruction, research, and service for community health. It should serve as an integrating force, inter-disciplinary in its association with other areas of physical, natural, and social scientific research but with a firm mandate for the development and evaluation of new methods of providing health for individuals and communities.

More specific objectives are to provide broad professional educational opportunities for qualified students in preparation for community health leadership; to develop basic research methodology essential to understanding human ecology; to prepare highly-qualified specialists in selected areas of public health; to provide consultative and other support for comprehensive public health program planning, development, management, and evaluation; and to provide necessary continuing education for personnel in community health agencies and other related areas.

C. Program proposals

1. Graduate: - Although the undergraduate program should be continued, the main thrust of the program in public health must continue to be at the graduate level. Initially, at least, emphasis should be upon the development and refinement of programs emphasizing teaching and research in areas of special interest in preference to professional

degree preparation. Therefore, the present Master of Science degree should be retained and, as competence is developed, specific Ph.D. programs offered. These degrees will, therefore, be granted by the Graduate School rather than being granted by the proposed school of public health, as often is the case with more restricted professional degrees.

2. Undergraduate - There should be maintained at the undergraduate level some opportunity for acquiring initial basic public health knowledge and skills in addition to those foundation skills in the natural, biological, social, engineering, and educational sciences which are prerequisites to advance study. Care must be exercised lest this undergraduate curriculum become a terminal educational program; graduates must be well-qualified for advanced study. The medical technology program should be retained and developed as a special interest unless a mutually advantageous association can be established for it in the School of Medicine.

3. Undergraduate service instruction - There are and will continue to be important and compelling service responsibilities for instruction of students in many other departments, schools, and colleges. Students in curricula in education, government, home economics, psychology, engineering, agriculture, and physical education, to mention only a few, should have an opportunity for public health orientation in their special areas of interest.

4. Research - There is increasing awareness of the need for expanding knowledge of the nature, determinants, measurement, and control of all aspects of public health hazards. Basically, this is a call for

more sophisticated ecological evaluation of our total environment and for continuing investigation of the apparently inescapable problems of industrial society.

5. Consultative services - The Department (or school of public health) should represent a regional resource of major importance to New England and the surrounding area. There is increasing support for comprehensive area-wide health planning, which may be in temporary eclipse during the present national administration but which cover a period of time without question will move ahead. A public institution has the mandate for making its consultative and advisory services available to public health agencies, local, state, and voluntary, on a basis which will promote the development of sound public health programs throughout the area.

6. Continuing education - Supporting and contributing to continuing education in public health for workers at many levels and all areas of interest should be accepted as a basic responsibility.

D. Organization - Two observations are in order. First, it may be possible for the Department, with appropriate support, to maintain for a short time its present loose affiliation with the University, unattached to an established school or college. Ultimately, however, its status should be clarified, preferably by establishing as a separate and independent school of public health. Second, the Department has close and mutually dependent associations not only with the School of Medicine but also (and perhaps of even greater importance) with a large number of departments and schools in the physical, natural, social, educational, and engineering disciplines. The vitality and strength of the curriculum in public health will depend in direct measure upon the strength, vitality, and freedom of its multiple associations with specialists in many other disciplines.

It is urgent, therefore, that the Department (or school) develop independently, not as a satellite of the School of Medicine. Until a school of public health is established, it is important that close working relationships between the department and other schools and departments within the University be encouraged and supported whenever this is possible.

E. Summary of basic recommendations

1. That a commitment be made for supporting the development of the Department of Public Health independent of the School of Medicine.

2. That the level of this commitment reflect recognition of the urgency of increasing promptly both training and research facilities for public health workers.

3. That the commitment acknowledge responsibility for providing high-quality training opportunities, especially for qualified students from this region (New England) and including other students from other parts of the United States and from foreign countries.

4. That the proposal for a school of public health be accepted as a tentative statement of departmental objectives and development and that it be referred to a committee of experts or to consultants for evaluation and recommendation.

5. That pending definitive approval of developmental plans there be a major increase in the allocation of faculty and support positions to this department.

6. That accreditation of the program in community health education by the American Public Health Association be sought (scheduled for October, 1969).

7. That if the program in community health education is granted accreditation, steps be taken to develop a Ph.D. program in community

health education.

8. That long-range planning proceed for development of an accredited school of public health at the University of Massachusetts at Amherst.

UNIVERSITY OF MASSACHUSETTS

AMHERST, MASSACHUSETTS

1968 - 1969

ANNUAL REPORT

ASSOCIATE DEAN OF STUDENTS

(HOUSING OFFICE SECTION)

Submitted by:
John C. Welles
June, 1969

V. PUBLICATIONS, RESEARCH GRANTS, RESEARCH PROJECTS AND OTHER PROFESSIONAL ACTIVITIES:

A. Presented an investigative document entitled "Future Direction of University Living Facilities" (see appendix).

B. One staff member served as advisor to the Roister Doisters Theater Group.

C. One staff member presently serving as chairman of District I of the Association of College and University Housing Officers and as a member of their National Program Committee.

D. One staff member continuing to serve as a Faculty Fellow in the Southwest Residential College.

VI. MAJOR ACCOMPLISHMENTS DURING THE 1968-69 FISCAL YEAR:

A. Reopened the first of our completely renovated older residence halls in September of 1968.

B. Developed a new relationship, through the Associate Dean of Students, with the Student Senate Services Committee in establishing a university-wide committee on housing.

C. Opened three (3) new residence halls in the Southwest Residential College, now known as Project #10. This completes all present plans for that area with an occupancy of 5,600 students.

D. Health Council Committee membership.

E. Foreign Student Committee membership.

F. Two staff members continued as trainers in the Counselor Training Program.

G. Continue to develop close-working relationships with various architectual and interior design firms for residence hall construction.

VII. SPECIAL PROJECTS OR PROGRAMS OPERATED BY THE UNIVERSITY HOUSING OFFICE DURING THE 1968-1969 FISCAL YEAR:

A. Coordinated efforts helped to develop many different and varied special residence hall housing programs (Cance House, Washington Tower Lower House, Language corridors and Innisfree).

B. Special housing arrangements were made for many fraternity and sorority groups in the process of moving to the new Fraternity-Sorority Park.

C. Development of a new Housing Data Management System, largely through the efforts of the Coordinator of Systems Development (see appendix).

D. Continued development of a Security Deposit System for residence halls - presently under further study (see appendix).

E. Presently studying methods for the improvement of summer school records and a totally data processed room assignment system.

VIII. FUTURE PLANS AND NEEDS:

A. The establishment of four (4) Student Affairs Business Managers with direct responsibility and authority for residence hall business and related functions. These individuals, with a staff consisting of bookkeepers, accountants and Junior Clerk Stenographers, would have direct responsibility for:

1. Inventory control in residence halls for one residence area.
2. Trust Fund allocations and disbursements for that area.
3. Budget allotments for State or UMass Building Authority residence halls.
4. Billing for residence hall damage and key disbursements.
5. Coordination of programs for residence hall repairs and refurbishing in a given residence hall area.

B. Transfer of control and assignments of the Graduate House to the Graduate School. This program would serve to eliminate duplication of efforts now being continued by both the Graduate Office and the Housing Office.

A P P E N D I X

A. "Future Direction of University Living Facilities"

B. Room Security Deposit System, Housing System, Controls

C. Housing Office, Data Management System

A

FUTURE DIRECTION OF UNIVERSITY LIVING FACILITIES

to

DR. MARK G. NOFFSINGER

submitted by:

John C. Welles
Director of Housing

Stephen P. Kramer
Administrative Intern

One thousand residence hall vacancies (perhaps $200,000.00 in lost revenue), an estimated 500 tripled rooms for next year, a residence hall Security Deposit, 1400 newly constructed residence hall spaces for September of 1970, a yearly increase in the student off-campus population and esculating construction costs are factors indicative of inconsistent housing policy and directions. During the past eight years the University has annually opened new residence halls with only a minor halt during the 1969-70 academic year.

The fact that the University does not plan to construct new residence halls after the fall of 1970 (note lead article by Richard W.Story covering the March 14, 1969 Board of Trustees meeting in the MDC, Monday, March 17, 1969: "With no future dormitory construction planned after 1970, the Board heard discussion on the feasibility of more emphasis on off campus housing in the future") will undoubtedly cause an increase in requests for off-campus permission. Presently, the majority of available living facilities in Amherst and other outlying towns range from $125.00 to $250.00 per month. This fact alone makes it increasingly difficult for single, individual students to procure off campus accommodations. In fact, it forces students who desire to live off campus to share accommodations with at least two, if not three, other individuals in order to meet their financial obligations. This type of living arrangement may prove to be detremental to study habits. Recent surveys and questionnaires include single bedroom preferrences as first choice with double bedroom

arrangements as second. ([1]Farmer, M., In Bricks and Mortar Boards, N.Y.; Educational Facilities Laboratories, 1964. [2]Riker, H.C., College Housing As Learning Centers, Washington, American College Personnel Association, 1965. [3]Sommer, Robert, Student Reaction To Four Types Of Residence Halls, the Journal of College Student Personnel, Volume 9, No.4, July, 1968, Washington, D.C.. [4]Stoke, S.M., et.al., Student Reactions To Study Facilities, Amherst; Committee on Cooperation, 1960.) Individuals who share quarters with more than two others often experience academic difficulties.

If outside financial support were a major problem in the construction of residence halls for this University, we might turn to the Department of Housing and Urban Development for resources. However, more realistically, HUD cannot afford to loan our institution money in the amounts we have previously requested. A study of the college housing building program ([5]"Where To Go For Federal Construction Dollars", College and University Business Magazine, January, 1969, Chicago.) indicates that while steadily increasing sums of money are being borrowed for academic construction, a steadily decreasing amount is being borrowed for housing and food service installations ($358,000,000.00 in fiscal year 1967 to an anticipated ($326,000,000.00 in 1969).

An investigation of our present position in regard to residence hall construction has been undertaken in an effort to present the most beneficial course of action for the future. This examination was

not prompted by any office or outside sources (President's Blue Ribbon Committee, Advisory Board, the Department of Housing and Urban Development or the Association of College and University Housing Officers) but rather by comments and questions originating from within the University community. It is apparent that the University's heretofore stated policy pertaining to residence hall construction and off-campus living is unfavorable in the eyes of a large minority of students as evidenced by; the yearly increase of the undergraduate off-campus population and numerous letters of parental consent for students to leave the residence halls. It might also be said that the "Cage Incident" in the spring of 1968 gave credence or at least evidence of the greater interest among the student body for more freedom of choice concerning their living environments. Whenever the University is able to meet its financial obligations in terms of residence hall debt service payments there is no reasonable need to overload our residence halls with students who would otherwise choose to live elsewhere. Many institutions, this one being no exception, have made attempts in several directions to provide educational, social and cultural experiences within the residence hall system. In the effort to produce a more sound living environment it has often been said that Universities have only provided additional frills and are guilty of institutional "handholding".

Comments have been offered by students, staff and faculty concerning the future of our residence halls and dining commons facilities - "sell it to Hilton", "let Northwestern Mutual Life Insurance Company

run it", and "perhaps we are creating the borscht belt of the Pioneer Valley".

In an effort to determine the amount of interest that could be solicited from private enterprise in terms of the construction of off campus facilities, invitational letters were sent to eighteen different business corporations. (See attachments A and B). Thirteen responses were received and four of these reported negatively to the inquiry. (See attachment C). Five of the remaining nine should be considered as interested in further negotiations. (See attachment D). The other four have not corresponded recently, however, it may be possible, in fact highly probable, to rekindle their interest in future developments.

The most enthusiastic response has been that of the Northwestern Mutual Life Insurance Company with an affiliate construction firm of Allen and O'Hara Incorporated. Institutions employing their services for residence hall and/or apartment complexes are numerous (data is on file at the Housing Office). To date no other private firm contacted seems to compare with their scope of construction. Several other business firm representatives have made personal visits to indicate their willingness to negotiate in a number of ways:

1. Complete control of land holdings, management and design by the University.
2. The above mentioned with equal participation by the University and the building corporation as co-owners.
3. A leaseback arrangement with option to buy.

4. A "turn key" operation which implies the presentation of the structure to the University upon completion.
5. Construction developed on University land but owned by the building corporation.
6. A construction program adjacent to the campus but owned and operated by the University.
7. A construction program adjacent to the campus but operated by the building corporation.

Evidently, several of these firms are in a position to convince the University that equal or better facilities can be provided by private enterprise without substantial increased costs to the student.

After having written to these firms and receiving information of various sorts from them it was decided that a questionnaire (See attachment E) should be sent to housing personnel of institutions enjoying the services of these corporations. This was done in order to ascertain the interest and cooperation expressed by each party.

The questionnaire was sent to eighteen institutions (See attachment F). Fourteen of these institutions provided some interesting data for the investigation. The remaining six were not applicable for various reasons.

Of the ten questions asked, six were found to provide extremely pertinent information:

I. Please list private developers who have constructed stu-

dent apartments and/or residence halls within the last five years near your campus.

Twelve of the fourteen (14) responding institutions volunteered the names of several construction corporations. The most frequently listed firms were, Allen and O'Hara Incorporated, Realty Development and O'Meara and Chandler.

II. What was the college's role in determining the design?

Six schools pursued extremely active contact with the Developers concerning design features and specifications. The other eight maintained infrequent contacts.

III. What types of housing were constructed?

a. Private off-campus student apartments
b. Off-campus residence halls
c. Other

Of the fourteen (14) responses, nine indicated off-campus residence halls, four indicated off-campus apartments and the remaining one indicated a trailer park.

IV. Are these facilities coeducational?

Of the fourteen (14) responses, seven said they were, five said they were not, two indicated that they had facilities for both coeducational living and non-coeducational living.

V. What is the description of the management?

a. Strictly by the college
b. Cooperative
c. Strictly by the developer and/or owner
d. Other

Of the fourteen (14) responses, seven indicated that management was under control of the institution, five said

that it was a cooperative venture and two indicated that management was under the control of the developer.

VI. Are these units college approved?

All fourteen (14) indicated that approval was given by the institution. (Approval is often a casual practice which is justified only by the existence of the facility.)

The remaining four questions, while of interest, are not germaine to this phase of the investigation. However, if the questionnaire were to be studied in greater depth, one would find that questions 1, 2 and 5 also indicate the amount of cooperation between the individual developers and the University in question. The reporters suspect that where cooperative arrangements were achieved student satisfaction was higher (data of this kind will prove to be extremely helpful when the University of Massachusetts begins to develop its policy concerning negotiations with private enterprise).

Through careful investigation the University must decide whether or not to continue its traditional pattern of residence hall construction. Some alternatives have already been suggested, but, for re-emphasis: To build suite or cluster arranged living accommodations through the University of Massachusetts Building Authority on presently owned University land; encouragement of private enterprise to construct living facilities on private land (incidentally, providing increased funds through taxation for town budgets); assuming the role of an approving consultant in accord with local health,

fire and safety standards; assuming the role as manager only; assuming the role of cooperative owner with private enterprise; supplying the land without other obligations; supplying the land with management and owner obligations; or, encouraging private enterprise to build certain kinds of facilities with the University student body as prime consumer.

It is evident from this research that most off campus, privately developed apartment and/or residence hall complexes simulate living facilities owned and operated by the respective institutions of higher education. Since the larger units of from 100 to 300 students are not coeducational, the building of a residence hall off campus would provide little or no change of direction as to a more liberal housing policy.

The reporters of this research urge the University to consider the latter alternative of encouraging private enterprise to construct apartment units near to the campus that are owned and operated by private enterprise. This assumes responsibility for a cooperative venture in design and specifications only. This arrangement allows perhaps several hundred students to experience a sense of community while pursuing their educational careers.

Aa

ATTACHMENT A

September 23, 1968

Mr. Sidney Levine, President
SML Development Company of New York
302 Ashland Place
Brooklyn, New York

Dear Mr. Levine:

The University of Massachusetts, a growing educational institution with thousands of students in University Residence Halls, must annually increase its' academic population and housing facilities to adequately meet the needs of the Commonwealth.

Presently, the University is examining the alternative of its' undergraduate, graduate and married students to increasingly utilize the open real estate market for their housing needs.

The University must determine whether or not the emphasis on new residence hall construction is the most practical arrangement of student accommodations to meet its' present rate of growth.

Your firm has been suggested to this office with respect to the possibility of constructing private accommodations for the University community. Therefore, we are extending an invitation to you to discuss this matter with our office at your earliest convenience.

John C. Welles
Director of Housing

JCW/ktl

Ab

ATTACHMENT B

1. Freidstein and Fitch
   Mr. E.Erie Jones
   Chicago, Illinois

2. S&L Development Co. of N.Y.
   Mr. Sidney Levine
   Brooklyn, N.Y.

3. Peabody Construction Co, INC.
   Mr. Joseph N.Fish, Jr.
   Boston, Mass.

4. Cambridge Development Group
   Mr. Richard H.Risner
   Cambridge, Mass.

5. University Community Development Corp.
   Mr. B.Warner Shippee
   ST.Paul, Minnesota

6. Dummery, Rosanne, Anderson
   Amherst, Mass.

7. Nickerson & Waterman Corp.
   Mr. Ronald J.Gordon-Smith
   New York City

8. Unitec Corporation
   Mr. Andrew A. Lindstrom
   Ann Arbor, Michigan

9. Summit Associates
   Mr. Robert Lurie
   Ann Arbor, Michigan

10. Connecticut General Life Insurance Company
    Mr. John A.T.Wilson
    Bloomfield, Conn.

11. Hia-Pearl Corporation
    Mr. Morton S. Grossman
    Braintree, Mass.

12. Coronado Development Corporation
    Mr. Frank A. Aires
    Chicago, Illinois

13. Mr. Leon Pernice
    Architectural Firm
    West Springfield, Mass.

14. Mid-West America Insurance
    Mr. Sonin Marcus
    Chicago, Illinois

15. Himmel Engineering Co.
    Mr. Hal G.Chase
    Chicago, Illinois

16. The Northwestern Mutual Life Insurance Company
    Mr. T.C.Perkins
    New York

17. Mr. Sam Zell
    Attorney at Law
    Chicago, Illinois

18. The First Realty Company of Boston Inc.
    Mr. Norman Epstein
    Boston, Mass.

ATTACHMENT C

Ac

CONNECTICUT GENERAL LIFE INSURANCE COMPANY

Date September 27, 1968
To John A. T. Wilson - 12
From George M. Jenkins - W-33
Subject University of Massachusetts Housing

Thank you for forwarding the request from your brother-in-law regarding married students' housing at the University of Massachusetts, Amherst, Massachusetts.

In the fall of 1967, we talked with Robert Gailey, Placement Office, about the financing of housing for greek letter societies. Our interest was initially motivated by the opportunity to make an investment at normal first mortgage rates with the support or guarantee of the University of Massachusetts. We made a proposal which required the University to commit itself to support the project in the event of default. The University subsequently declined the invitation because it did not wish to commit itself to the extent that we requested.

Our emphasis upon the University support rests upon our belief that there is a strong need for housing, both for greek lettermen and married students; but, the University controls that need. If difficult times were to arise, the University could be expected to act in its own behalf first. This might endanger our policyholders' funds if the University weren't committed to the housing that we financed. At this point in time, we have no interest in owning housing to be rented to married students and only very limited interest in mortgaging such housing. The limited availability of funds and the high number of alternative investments which we have today makes it highly unlikely that we could commit funds for married students' housing.

We hope that this explanation of one lender's reasoning will be helpful to your brother-in-law.

Very truly yours,

GMJ:ml

ATTACHMENT D

250 Park Avenue, Suite 320
New York, New York 10017
Telephone: 212 687-3030

THE NORTHWESTERN MUTUAL LIFE INSURANCE COMPANY • MILWAUKEE NML

MORTGAGE LOAN REGIONAL OFFICE

T. C. Perkins, Manager

December 11, 1968

Mr. John C. Welles
Director of Housing
The Commonwealth of Massachusetts
University of Massachusetts
Amherst, Mass. 01003

Dear Mr. Welles,

I enjoyed meeting you and discussing the housing problems of the University of Massachusetts. It appears that you have been successful in meeting your students' requirements in the past but that you are concerned how you can best solve their housing problems in the future. I hope that in your considerations you will keep the name of the Northwestern in mind.

Enclosed are some brochures showing a few of the developments that we now have in place. Presently, the Northwestern has an equity investment in some 20,000 beds in 36 different complexes at 31 campuses. They are structured from completely independent dormitories near schools to lease-back facilities on university owned land. Buildings range in size from garden type complexes to high-rise structures, from spartan rooms to fairly luxurious layouts and from apartment style units to small dormitory suites.

I believe the Northwestern is not only the largest company in the student housing field but that it also offers the most flexibility in construction and finance. When your plans become more finite, I would like to further discuss them with you.

Very truly yours,

T. C. Perkins

Encls.

RECEIVED DEC 12 1968 HOUSING OFFICE U.S.E.M.

Ae

ATTACHMENT E

October 21, 1968

Mr. John Wolter
Housing Administrator
Housing Office
Illinois State University
Normal, Illinois 61761

Dear John:

Since the National Conference at Kalamazoo I have been thinking seriously about the direction in which our residence hall building program should proceed. While attending the Conference I was fortunate enough to read through several brochures concerning the private development of residencehalls and student apartments.

With the approval of the National Research Committee of the Association of College and University Housing Officers, I am sending this letter to you and a few other colleges whose information concerning local private development interests me.

The attached survey may help our administration determine the future course of action that the University of Massachusetts takes concerning residence hall and apartment construction.

I would appreciate your returning the enclosed survey at your earliest convenience.

Sincerely,

John C. Welles
Director of Housing

JCW/ktl
Enclosure

Ae

ATTACHMENT E

UNIVERSITY OF MASSACHUSETTS

AMHERST, MASSACHUSETTS

HOUSING OFFICE SURVEY

1. Please list Private Developers who have constructed student apartments and/or residence halls within the last five years near your campus.

_____

_____

_____

2 Did the College play an active role in determining the design?

Yes _____ No _____

3. Housing construction included:

_____ private, off-campus student apartments
_____ residence halls - off-campus
_____ other (please explain briefly)

_____

4. Are these facilities good?

Yes _____ No _____

5. Description of management:

_____ strictly by the college
_____ cooperative
_____ strictly by the developer and/or owner
_____ other

6. College approved?

Yes _____ No _____

7. What is the room fee?

8. Number students per room the same?

Yes _____ No _____

9. How are rental fees charged?

_____ per month
_____ per semester
_____ per academic year
_____ per calendar year
_____ other

0. Rental Fees include:

_____ room
_____ board
_____ utilities
_____ parking
_____ recreation facilities use
_____ other

Af

ATTACHMENT F

1. The University of Michigan
2. Northwestern University
3. Boston University
4. Brigham Young University
5. University of Florida
6. Florida State University
7. Michigan State University
8. University of Washington
9. West Virginia University
10. Wichita State University
11. University of Wisconsin at Madison
12. University of South Florida at Tampa
13. Memphis State University
14. Kent State University
15. University of California at Santa Barbara
16. North Central College at Naperville, Illinois
17. DePaul University
18. Illinois State University, Normal, Illinois

ROOM SECURITY DEPOSIT SYSTEM

HOUSING SYSTEM

CONTROLS

A). DAILY ACTIVITY LISTING (Exhibit A)

A daily listing shows each of the 5 kinds of deposit activity which have occurred:

1). Room Deposits received that day are listed; counted, and the dollar value summed.

2). Both temporary and permanent room deposit waivers are noted, when received.

3). When a notice to the cashier is printed to cause a refund or forfeit of the deposit, (Exhibit D) note is made of this on the activity listing.

4). Record of Refund and Forfeit transactions is also shown.

B). The date marking receipt of the Room Deposit is entered on the statistical tape and printed out when refund or forfeit becomes appropriate. If the deposit cards are filed alphabetically within receipt date the original deposit bill can be retreived, if necessary, at that later date. Temporary and Permanent waiver cards, being smaller in number, may best be periodically alphabetized together for subsequent reference, if any.

C). FULL LISTING OF DEPOSIT FILE (Exhibit B)

When necessary, a listing of full statistical file can be made, showing each person's name, number, class, level and deposit amount. Also listed are students having temporary and permanent waivers. Where the cashier has been notified to refund or forfeit a student's deposit, the legend 'N' is carried beside the $50 entry.

Page and cumulative totals of deposits, dollars, and both waiver types are printed.

D). DAILY CONTROL TALLY (Exhibit C)

A running control of statistical records read and written is kept, as the file is passed back and forth between tape(s) and disk, to assure that no record is lost.

A dollar and count tally of deposits and "cashier notified" deposits, as well as both temporary and permanent waivers is printed. Students cannot be deleted from the file until any deposit on file is cleared up.

E). CASHIER'S NOTIFICATIONS (Exhibit D).

Six kinds of cashier's notifications are produced by the Housing ystem. Three of them have bearing on the deposit system:

1). Message 1 -

When a student moves off-campus, either prior to or during a semester, is recorded, the status of the room deposit is reported, as well as the effective (notification) date. (Rent and telephone charges appropriate to the former residence assignments are also noted).

2). Message 4 -

When a student withdrawal from school is recorded, either at the end of a semester or during a semester, the status of room deposit is shown.

3). Message 5 -

When a student notification of plans not to return for the next semester is recorded, either during the previous semester or between semesters, the status of room deposit is reported.

). Message 6

When, in the case of a deletable record, a notification has been sent to the cashier 10 or more days previous and no action to refund or forfeit room deposit has been initialed.

HOUSING OFFICE

DATA MANAGEMENT SYSTEM

The housing function at the University of Massachusetts is semi-decentralized. A main office maintains ongoing records of assignments, occupancy changes, tabulations and projections, while the Head of Residence makes assignment changes and controls the room choosing process under the general supervision of the Housing Office. A detailed study of the tasks to be performed has been completed. In the light of present and expected possibilities for technological support, and after consideration of the philosophical bases underlying the housing function, a continuation of the present balance of staff allocation seems desirable. With this in mind, therefore, the systems design under development is based upon these hypotheses:

1. The decision-making involved in the assignment and relocation of rooms during a semester and in choosing rooms for an upcoming semester should be kept decentralized. (This means at the Head of Residence level or, possibly, in the Area Coordinators' Office.)
2. A system allowing maximum student preference in room choosing and assignment should be continued and improved.
3. Wherever possible housing information should be collected at the source and captured by the system in the most rapid manner, so that,
4. Student locator information should be as up-to-date as the day's transactions.

5. Records showing the chronological sequence of occupants in a given room are to be maintained (for telephone and damage collection purposes primarily), but records showing the chronological sequence of rooms occupied by an individual student (used only a few times a semester by civil service investigators) are to be discontinued.
6. A new room deposit system is to be put into effect for the regular semester. No deposit system is anticipated for summer terms.

Significant aspects of systems design are:

1. Digitek optical scanning sheets and IBM mark-sense cards are to be employed in data collection to eliminate information lags through key-punching turn-around times.
2. Future and current files will be in simultaneous usage eliminating redundant information collection and improving forecasting.
3. Room choosing and assignment will be better monitored, through tabulation counts and prompt turn-around documents.
4. All of the secondary notifications now hand created in the Housing Office, such as room and board billing, refund notices, dining commons notifications and room deposit forfeit/refund messages (new) will be computer produced.
5. Eligibility for off-campus residence or board will be computer checked, as will room deposit conditions.
6. Transactions and inquiries will be designed for a future conversion to teleprocessing, where appropriate.

7. Room assignment procedures (incoming students) and file designs will allow the future development of a computer room assignment scheme (very much like the course scheduling algorithm).

8. External coding will be reduced, with all coding which bears fixed relationships retrieved from stored program tables.

TIMETABLE:

a) Master Room File, room deposit aspects, and room choosing procedures developed and operational by April 20. 1969.

b) Programs dealing with the Historical File to begin with the Fall semester, 1969.

c) Summer Room Files and assignment procedures to begin with the summer of 1970.

PROCESSING INFORMATION-GENERAL

The system will utilize 13 programs. It will require daily processing of small batches of digitek forms through the counseling and guidance center and punching of mark-sense cards through the tabulating department. ~~Three~~ The programs are to be run daily on the second or third shift.

The room file does not need to be on line during the day, as the stat file is, so the first daily program is a tape-to-disk to load the room file. This is followed by ~~a~~ general file maintenance programs, with the stat file still on line processing all transactions; and a disk to tape to create back-up.

During room choosing, a program to print floor plans and tabulation counts would be included daily. At other times of the year this would be a weekly addition.

Once each semester an historical record of room occupants would be printed, and periodically, the same program may search historical files for the occupants of portions of certain residences on specified dates.

Other occasional programs will allow for printing of rooms and occupants by telephone number or the listing of occupants alphabetic within residence hall.

In season, ~~a~~ a separate set of programs will create the summer room file, do daily maintenance and provide back-up and make floor plan listings appropriate to the summer processing techniques.

CARD FILES IN HOUSING OFFICE

April - Make Room Reservation Card File. Used in the room choosing process and replacement cards made as transactions occur.

May - Discard Room Reservation Card File after room choosing. Make Room Control Card File. Used in room assignment until Fall semester starts. Replacement cards made as transactions occur.

September 10 - Room Control Card File for Fall semester invalid as first day of semester comes. Changes to the Disk-resident Room File are accomplished as follows:

a). Room Status changes - Key punch 'I' form
b). Add a room - Key punch 'E' form
c). Student Occupancy changes - Digitek "Change of Local Address" forms.

November - Make Room Control Card File for Spring Semester. Circulate "Off-Campus Residence Plans" digitek Forms to collect changes. (If students are not allowed to move off campus, these are only used to ascertain who is not returning in the Spring and this information might be collected with a simpler form). Solicit from Heads of Residence residence hall assignment changes for second semester. (Process in Housing Office using Room Control Card file for spring.

February 1 - Spring Room Control Card file is invalid as of first day of semester. Spring changes, as in Fall semester.

NOTE: Though Fraternities and Sororities spaces are carried on the Disk-resident Room File and appear on 'floor plans', as requested, no room control or Room Reservation Cards are punched for these spaces.

STATISTICAL FILE ACTIVITY FOR

IN-COMING STUDENTS

Starting with the week of April 21, and after each subsequent summer counseling (transfer or freshman) student number assignment and mailing, the ADM-42 program to create stats for incoming students should be run against statistical tape 'E' for ENTERING STUDENTS. This will maintain stat records for incoming freshmen, tranfers, interchange and exchange students. Additional stat coding for transfer students can be done on the 'E' tape using the regular STD-29 stat update program (or Teleprocessing, when functional).

Larger numbers of stat records for incoming students will be made than in the past, but deletion of withdrawn students should be relatively automatic. The admissions tape is examined on each pass to ascertain if any students for whom a stat was created has been subsequently withdrawn by admissions. This being the case, the record is deleted from the tape and a message printed to the registrar to destroy the hard-copy stat. (If a room deposit fee has been paid, the stat is not deleted until notification is received by the system that refund/forfeit has been accomplished by the Cashier's Office.)

Returning students are updated and kept on the regular 'U' statistical tape.

Coding Sheets for incoming Stockbridge Students must be sent to EDP at the same time room deposit bills go out to them. These stat records would be added to and deleted in the regular manner.

Graduate Students will be issued a deposit bill upon signing up for residence in Prince House and must have a student number (stat) in order to reserve a room.

SUMMARY OF STATISTICAL FILE PROGRAM ACTIVITY

STD-29 CURRENT STAT UPDATE PROGRAM

1). Instead of deleting a record, set a "1" in position Ø58 - SU-STATS-DELETE.

2). To assure file security in tape-to-disk-to-tape, this program should write the level code from the header card on every output record. If no level code in header card, stop program.

3). When a record is added to the tape file, add to record and hash totals in the 9's record

ADM-42 ADMISSSIONS TAPE TO STAT TAPE - CREATE STAT RECORDS

1). Create stat records with level 'E' (entering) for each:

a). accepted freshman, paid fee #1 and not withdrawn (do not make swingshift)

b). accepted transfer, paid #1 and not withdrawn

c). exchange student - accepted and not withdrawn

d). interchange - accepted and not withdrawn

2). Whenever a stat record exists for a student on the admissions tape who has subsequently withdrawn, mark it as in STD-29(1), above, for deletion.

3). Add to record count and hash totals in the 9's record as in STD-29(3), above.

HSG-05 - STAT TAPE TO DISK

1). At some point in time, the 5th tape 'E' for entering students is merged with the regular 'U' tape through Reader control, changing the output split key from 'E' to 'U'.

2). When a stat record is deleted, a card should be punched to remove the student number from the number file.

ADM-E

Needs to be checked and modified to assign numbers to all of the ~~propriations~~ appropriations mentioned in ADM-42(1) above, as well as carrying over the numbers for re-entering students.

ASSUMPTION CONCERNING THE STAT FILE

A). Restored at beginning of 1st shift, if necessary.

B). Registrar will be doing TP updating throughout 1st shift and will be closed down for updating at 5:00 p.m., available for inquiry during 2nd shift.

C). Telephone operators will be on line for inquiry during all shifts.

D). Housing batch processing will be done during the 2nd or 3rd shift.

E). After the Registrar's updating and prior to Housing or any other batch processing updating of the stat file, the stat file is copied disk to tape (4 files to a single tape file).

1). Stat tape file is updated from cards. Other batch programs may also update stat file.

2). Copy updated stat tape file to disk creating new disk file.

3). Process housing transactions to further update stat file.

4). Copy stat file disk to tape (single tape file) for back-up. (HSG-05)

F). Programming Considerations

1). Current Stat Update Program must be modified to set a "1" in the delete flag position in pos. 058 of the stat record instead of deleting the record.

2). Stat tape to disk program should include the deletion of a record when the Delete Flag reads "2" (after Housing program have inspected the record and changed the flag).

3). Withdrawal date on stat tape is MMDDYY. When written on disk, should be YYMMDD.

G). Additional Program

A separate program should be written to read the combined stat tape (4 files) and write a tape(s) for any file(s) as required. This would permit preparation of individual tapes for use in current processing of stat information with existing programs.

Student's Last Name First MI Due Date Student No.

ROOM SECURITY DEPOSIT BILL

UNIVERSITY OF MASSACHUSETTS AT AMHERST

In order to secure a room reservation for the next semester a check for $50.00, payable to the University of Massachusetts, must be mailed with this bill to the Cashier's Office by the date above.

This deposit is refundable under conditions outlined in the Room Security Deposit regulations but may be forfeited if the room is not occupied and the required advance notification has not been given.

ROOM NUMBER | SPACE | RESIDENCE HALL NAME | ROOM TYPE

ROOM CONTROL

UNIVERSITY OF MASSACHUSETTS
RESIDENCE HALLS

ROOM STATUS CHANGES

OUT OF SERVICE:
- LOUNGE
- STUDY ROOM
- SEMINAR
- OFFICE
- STAFF USE
- COUNSELOR IN OTHER SPACE
- NOT IN SERVICE

COUNSELOR IN THIS SPACE

RETURN THIS SPACE TO SERVICE

CREATE AN OVERFLOW SPACE

DELETE THIS OVERFLOW SPACE

MARK MONTH OF BIRTH: JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC

MARK IF SPACE AT RIGHT USED TO CHANGE THE ROOM TELEPHONE

BOARDING PLANS (MARK ONE)
- ON CAMPUS
- FRATERNITY OR SORORITY (except southwest)
- OFF-CAMPUS DINING (senior or over 21, except southwest)
- OFF-CAMPUS DINING – EXCEPTION TO REGULATIONS. file separate approval of director univ. food services

mark to delete current assignee only

STUDENT NUMBER

699133 BSC

ROOM NUMBER | SPACE | RESIDENCE HALL NAME | ROOM TYPE

TO THE STUDENT:

To reserve the above room, use dark pencil and carefully fill in boarding plan, birthmonth, and number slots at right Sign your name below

This card will supercede any previous reservation you may have made. No assignment will be made if your room deposit is not paid

3 _____
SIGN NAME LEGIBLY

ROOM RESERVATION

UNIVERSITY OF MASSACHUSETTS RESIDENCE HALLS

TO THE HEAD OF RESIDENCE:

Send reservations to Housing Office daily for processing and inclusion on corrected floor plans An updated replacement card will be returned to you

MARK MONTH OF BIRTH: JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC

1 WRITE YOUR STUDENT NUMBER IN BOXES AT RIGHT, FILLING IN APPROPRIATE MARKING SLOTS BELOW EACH NUMBER
MARK BIRTH MONTH AT LEFT

BOARDING PLANS (MARK ONE)

2
- ON CAMPUS
- FRATERNITY OR SORORITY (except southwest)
- OFF-CAMPUS DINING (senior or over 21, except southwest)
- OFF-CAMPUS DINING – EXCEPTION TO REGULATIONS file separate approval of director univ. food services

HEAD OF RESIDENCE:
mark to delete current assignee only

STUDENT NUMBER

699132 BSC

Student's Last Name First MI Student No.

TEMPORARY ROOM SECURITY DEPOSIT WAIVER

UNIVERSITY OF MASSACHUSETTS AT AMHERST

The above student's room deposit requirement is deferred for this semester only for the following reason _____

_____

_____
Authorized Signature

Return card immediately to Cashier's Office for prompt processing.

Student's Last Name First MI Student No.

HOUSING REGULATION EXEMPTION

UNIVERSITY OF MASSACHUSETTS AT AMHERST

The above student is granted permission to live off-campus, though not meeting the qualifications of those so authorized by the Housing regulations.

_____
Area Coordinator's Signature

Return cards immediately to Housing Office for prompt processing.

Student's Last Name First MI Student No.

PERMANENT ROOM SECURITY DEPOSIT WAIVER

UNIVERSITY OF MASSACHUSETTS AT AMHERST

The above student's room deposit requirement is permanently waived for the following reason _____

_____

_____
Authorized Signature

Return card immediately to Cashier's Office for prompt processing.

Student's Last Name First MI Student No.

BOARDING REGULATION EXEMPTION

UNIVERSITY OF MASSACHUSETTS AT AMHERST

The above student is granted permission to dine off campus, though not meeting the qualifications of those so authorized by boarding regulations.

Director, University Food Services

Return card immediately to Housing Office for prompt processing.

OFF-CAMPUS RESIDENCE PLANS
UNIVERSITY OF MASSACHUSETTS

3a COMMUTER ADDRESS Write Data in Boxes and Code Columns Below.

A housing regulation exemption must be on file with the Housing Office if unmarried and not commuting from home UNLESS you are 21 during the year in question OR a senior at the beginning of the Spring Semester. Exceptions authorized by Area Coordinators.

Address is that of:
- parent
- spouse
- other

LOCAL TELEPHONE NUMBER

ABC DEF GHI JKL MNO PRS TUV WXY

LOCAL ADDRESS — LEAVE A BLANK BETWEEN NUMBER AND NAME OF STREET

STREET NUMBER

CITY

STATE

LOCAL ZIP CODE

to save coding, computer will retrieve city and state using zip code. See listing on back.

DIRECTIONS:

PRINT YOUR NAME BELOW.

1

Last Name First Initial

ENTER STUDENT NUMBER AND BIRTH MONTH AT RIGHT BELOW (2) AND FILL IN EITHER BOX 3a, b, c, or d. RETURN THIS FORM TO AREA COORDINATOR OR HOUSING OFFICE.

3b To live in a FRATERNITY or SORORITY

Give 3 letters and mark slots at left. Computer retrieves address from files.

3c RETURNING NEXT SEMESTER

but off-campus address unknown at present

mark here →

2 IDENTIFICATION DATA

MONTH OF BIRTH: JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC

STUDENT NUMBER

3d NOT PLANNING TO RETURN NEXT SEMESTER

mark here →

SIGNATURE

UTILITY FORM 5318
OPTICAL SCANNING FORMS © OPTICAL SCANNING CORPORATION

REFERENCE LIST OF LOCAL ZIPCODES

Adams	01220	Haydenville	01039	Shattuckville	01369
Agawam	01001	Heath	01346	Sheffield	01257
Amherst	01002	Hindsdale	01235	Shelburne	01370
Ashfield	01330	Holyoke	01040	Shutesbury	01072
Ashley Falls	01222	Housatonic	01236	Southampton	01073
Athol	01331	Huntington	01050	So Ashfield	01371
Barre	01005	Indian Orchard	01051	So Athol	01372
Barre Plains	01006	Lake Pleasant	01347	So Barre	01074
Becket	01223	Lee	01238	So Deerfield	01373
Belchertown	01007	Leeds	01053	So Egremont	01258
Berkshire	01224	Lenox	01240	Southfield	01259
Bernardston	01337	Lenox Dale	01242	So Hadley	01075
Blandford	01008	Leverett	01054	So Lee	01260
Bondsville	01009	Lithia	01055	So Royalston	01374
Brimfield	01010	Longmeadow	01106	Southwick	01077
Buckland	01338	Ludlow	01056	Springfield	*
Charlemont	01339	Mill River	01244	State Line	01261
Chester	01011	Monroe Bridge	01350	Stockbridge	01262
Cheshire	01225	Monson	01057	Sunderland	01375
Chesterfield	01012	Montague	01351	Swift River	01078
Chicopee	01013	Monterey	01245	Turners Falls	01376
Chicopee	*	Mount Hermon	01354	Tryingham	01264
Colrain	01340	Mount Tom	01058	Thorndike	01079
Conway	01341	New Marlboro	01246	Three Rivers	01080
Cummington	01026	New Salem	01355	Wales	01081
Dalton	01226	North Adams	01247	Ware	01082
Deerfield	01342	North Amherst	01059	Warren	01083
Drury	01343	No Egremont	01252	Warwick	01378
East Otis	01029	Northampton	01060	Wendell	01379
Easthampton	01027	North Hatfield	01066	Wendell Depot	01380
E Longmeadow	01028	Northfield	01360	W Chesterfield	01084
Erving	01344	No Wilbraham	01067	W Cummington	01265
Feeding Hills	01030	Oakham	01068	Westfield	01085
Gilbertville	01031	Orange	01364	W Harfield	01088
Glendale	01229	Otis	01253	Westover AFB	01022
Goshen	01032	Palmer	01069	W Springfield	01089
Granby	01033	Petersham	01366	W Stockbridge	01266
Granville	01034	Pittsfield	01201	W Warren	01092
Gt Barrington	01230	Plainfield	01070	Whately	01093
Greenfield	01301	Richmond	01254	Wheelwright	01094
Griswoldville	01345	Rowe	01367	Wilbraham	01095
Hadley	01035	Royalston	01368	Williamsburg	01096
Hardwick	01037	Russell	01071	Williamstown	01267
Hampden	01036	Sandisfield	01255	Windsor	01270
Hatfield	01038	Savoy	01256	Woronoco	01097
				Worthington	01098

* Several Nos.
Consult a detailed listing

A N N U A L R E P O R T

University Health Services
University of Massachusetts
Amherst, Massachusetts

1968-69

TABLE OF CONTENTS

		Page
I.	PRELIMINARY FINANCIAL SUMMARY	1
II.	PERSONNEL	2
III.	ORGANIZATIONAL CHART	4
IV.	PRELIMINARY UTILIZATION OF SERVICES	5
V.	PROFESSIONAL ACTIVITIES, PUBLICATIONS, AND RESEARCH PROJECTS	6
VI.	SUMMARY OF ACTIVITIES	
	A. Clinical Services	16
	B. Mental Health	17
	C. Athletic Medicine	18
	D. Laboratory and X-Ray Services	19
	E. Medical Records	19
	F. Pharmacy Service	21
	G. Physical Therapy Service	22
	H. Health Education	23
	I. Environmental Health and Safety	23
	J. Personnel	24
	K. Business Services	25
VII.	SPECIAL PROJECTS	
	A. Health Education and Mental Health	27
	B. Student Relationships	28
	C. Data Processing	28
VIII.	FUTURE NEEDS	
	A. Program Development	29
	B. Space	30
	C. Consumer Participation	31
	D. Professional Education	31

I. PRELIMINARY FINANCIAL SUMMARY	1966-67	1967-68	1968-69
A. Appropriation/Income	$676,543[1]	$824,179[1]	$906,425[1]
B. Actual Expenditures			
401 Salaries, permanent positions	493,260[2]	607,251[2]	693,907[2]
403 Wages, miscellaneous personnel	6,539[3]	14,447[3]	14,429[3]
404 Food	12,493[4]	13,575[4]	13,850[4]
406 Housekeeping Supplies	11,549	16,622	15,500
407 Medicine and lab supplies	44,424	52,674	55,445
410 Travel	4,798	5,453	5,400
414 Administration	12,687	19,025	21,800
415 Equipment	9,036	16,024	11,626
Other accounts: clothing, repairs, printing, refunds, permanent reserve	27,208	31,347	35,868
Total Actual Expenditures	$621,994[6]	$776,418[6]	$867,825[6]
C. Balance Carried Forward (needed for July-August expenses)	$ 54,549[7]	$ 47,761[7]	$ 38,600[7]

[1]Includes balance from previous year.

[2]Does not include: retirement contribution, health insurance contribution, and assistance from other sources.

[3]Does not include assistance from other sources.

[4]Does not include credit from University boarding halls.

[5]Some additional equipment from other sources.

[6]Not included in operating expenses are: maintenance of building, utilities (heat, light, water, sewer), and amortization of cost of building and original equipment.

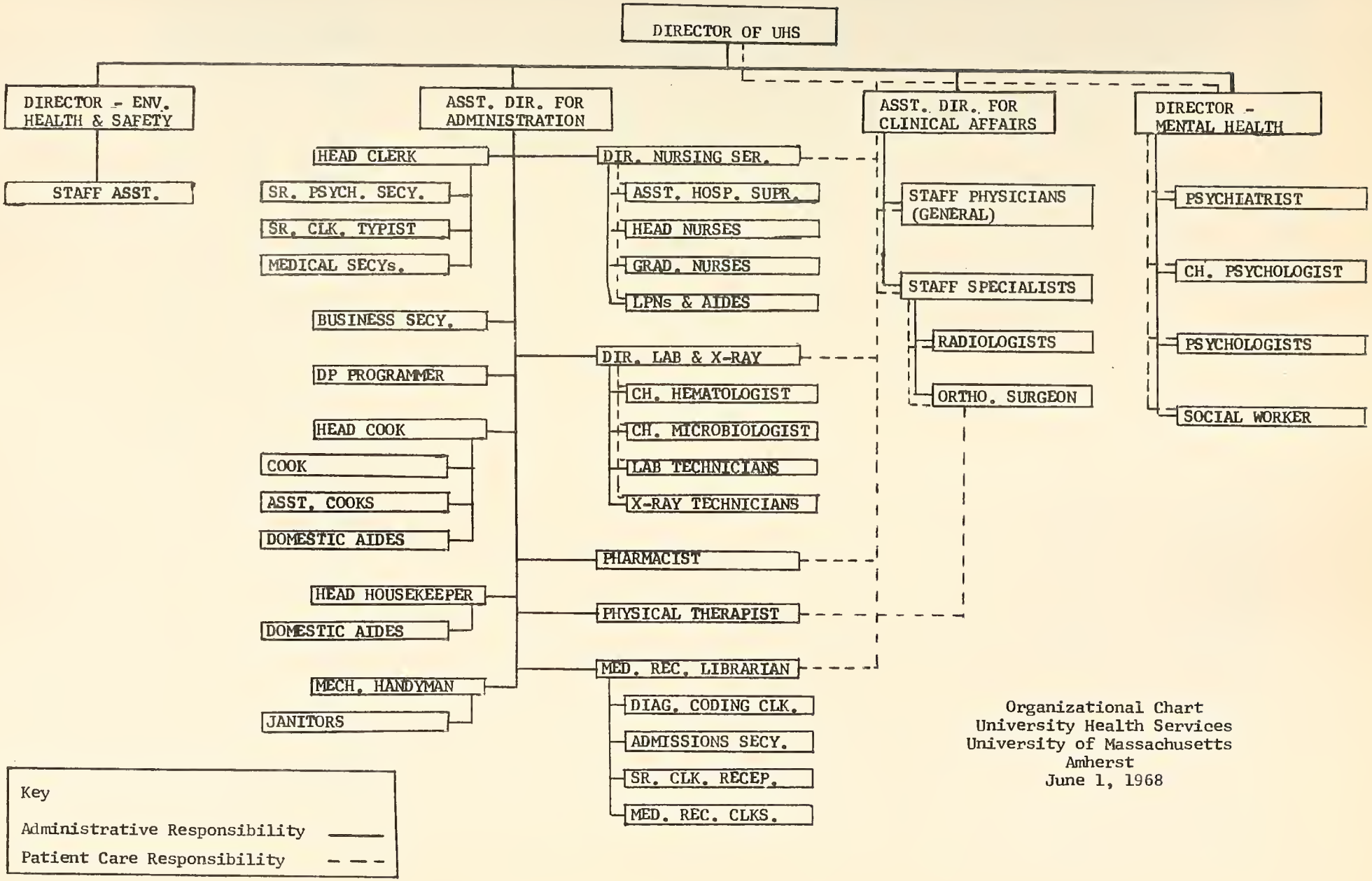
[7]Cash balance.

II. PERSONNEL

A. Professional Staff	1966-67	1967-68	1968-69
Director, University Health Services	1	1	1
Assistant Director, Clinical Affairs	-	1	1
Assistant Director, Administration	-	1	1
Staff Physician, full-time	7	6	8
Staff Physician, part-time	-	1	-
Staff Physician, part-time (specialist)	4	5	5
Director of Mental Health	1	1	1
Principal Psychologist	1	1	1
Clinical Psychologist, full-time	2	2	4
Clinical Psychologist, part-time	2	-	1
Staff Assistant, Social Worker	-	1	1
Director of Environmental Health & Safety	1	1	1
Staff Assistant, Environmental Health & Safety	-	1	1
Staff Assistant, Business	1	-	-
Director of Laboratory	1	1	1
B. Laboratory & X-Ray Staff			
Senior Medical Technologist	1	1	1
Medical Technologist	1	2	2
Clinical Chemist	-	1	1
Clinical Microbiologist	-	-	1
Laboratory Technician, part-time	-	2	2
X-Ray Technician, full-time	2	2	2
X-Ray Technician, part-time	-	-	1
C. Physical Therapy Staff			
Physical Therapist, full-time	1	1	1
D. Pharmacy Staff			
Consulting Pharmacist, part-time	0	1	1
E. Nursing Staff			
Supervisor of Nursing Services	1	1	1
Assistant Hospital Supervisor	1	1	1
Head Nurse, full-time	3	3	3
Head Nurse, part-time	0	1	1
Staff Nurse, full-time	13	12	13
Staff Nurse, part-time	6	8	13
Licensed Practical Nurse, full-time	-	1	1
Licensed Practical Nurse, part-time	2	3	2
Hospital Aide, full-time	6	7	9
Hospital Aide, part-time	4	2	6

II. PERSONNEL

F. Secretarial Staff	1966-67	1967-68	1968-69
Head Clerk	1	1	1
Principal Clerk	0	0	-
Senior Clerk Stenographer	2	1	1
Medical Secretary, full-time	5	4	5
Medical Secretary, part-time	1	2	2
G. Business Office			
Bookkeeper	1	1	1
Senior Clerk Stenographer	-	-	1
Senior Clerk	-	1	-
Jr. Programmer, part-time	1	1	1
Storekeeper, part-time	-	-	1
H. Medical Records			
Medical Records Librarian	-	0	0
Senior Clerk	1	1	1
Medical Records Clerk, full-time	1	2	2
Medical Records Clerk, part-time	-	-	1
Medical Secretary	1	1	1
Medical Secretary, part-time	0	1	1
I. Food Service			
Head Cook	1	1	1
Cook	1	1	1
Assistant Cook	2	2	2
Institutional Domestic Aide, full-time	2	2	2
Institutional Domestic Aide, part-time	1	1	1
J. Maintenance Staff			
Head Janitor	-	-	1
Janitor	2	2	2
Head Housekeeper	1	1	1
Institutional Domestic Aide, full-time	5	5	5
Institutional Domestic Aide, part-time	1	1	1
K. Student Workers (all part-time)			
Visitor Monitors	2	3	2
Janitor	2	2	-
Kitchen	2	5	6
Laboratory	2	0	1
Orderly	2	3	5
Driver	-	-	3



Organizational Chart
University Health Services
University of Massachusetts
Amherst
June 1, 1968

IV. PRELIMINARY UTILIZATION OF SERVICES

	1965-66	1966-67	1967-68	1968-69
A. Students enrolled[1]	11,859	13,658	15,202	16,552[1]
B. Services rendered				
1. Outpatient visits, total July 1-June 30	52,707	60,099	55,945	64,000
2. Mental Health Service visits, individual	2,893	3,704	3,990	4,500
Group therapy (patient hours)	367	134	623	500
3. Laboratory (number of determinations)	26,877	31,917	41,897	43,500
4. X-Ray service (number of patients)	3,261	4,155	4,349	4,700
5. Physical Therapy (number of patient visits)	2,021[2]	5,220[3]	5,433	4,600
6. Medication Room (number of prescriptions)	--	--	--	33,500
7. Inpatient services:				
Bed patients, total	1,963	1,892	2,223	2,075
Patient days in Infirmary	--[4]	7,088	8,105	7,900
Length of patient stay	--	3.75	3.65	3.80

NOTES

[1]Includes undergraduates and graduates, September 1968, including special and part-time students, some of whom are not eligible for care by the Health Services. Estimated number of students served for 1968-69 = 15,850.

[2]Physical Therapist available part-time only.

[3]September 19, 1966 - June 30, 1967.

[4]Figure unavailable for technical reasons.

V. PROFESSIONAL ACTIVITIES, PUBLICATIONS, AND RESEARCH PROJECTS

ALLEN, DEAN A., Ph.D. (Chief Clinical Psychologist)

Professional Activities

On professional improvement (sabbatical) leave 1968-69

ANASTASIA, PETER J., M.D. (Staff Physician)

Professional Activities

Leader of weight-watchers group (students)

AVERILL, BARRY W., B.S. (Assistant Director for Administration)

Professional Activities

Chairman, National Electronic Data Processing Symposium, sponsored by the American College Health Association, held on April 22, 1969 in Oklahoma City, Oklahoma

Secretary, Administration Section, American College Health Association

Chairman, Committee on Data Processing, Administration Section, American College Health Association

Chairman of the Ad Hoc Committee on Administrative Systems Development, American College Health Association

Member of Evaluation Panel for the American College Health Association Certification Program

Member of Task Force I, Administration and Program Development, for Fifth National Conference on Health in College Communities

Member of Master Agreement Bargaining Team between University of Massachusetts and AFSCME, AFL-CIO, Local #1776

Member of Western Massachusetts Hospital Association

Member of Survey Team for ACHA Certification Program, University of Rhode Island, January-February 1969

Consultant to the University of Georgia, August 25-30, 1968 and May 12-16, 1969

Consultant to the Drexel Institute, March 3-5, 1969

Attended the Continuing Medical Education Course on "Computers in Clinical Medicine", Buffalo, New York, September 19-21, 1968

Attended Seminar of Collective Bargaining conducted at University of Massachusetts, October 23 - December 18, 1968

AVERILL, BARRY W., B.S. (continued)

Publications

"Medical Information Storage and Retrieval Systems Using Electronic Data Processing Devices" presented before the American Association of Extension Veterinarians, July 23, 1968, Boston, Massachusetts

"Clinical Management Problems in College Health Services", presented at the Electronic Data Processing Symposium, April 22, 1969, Oklahoma City, Oklahoma, submitted for publication in the Journal of the American College Health Association

CANN, MICHAEL A., Ph.D. (Clinical Psychologist)

Professional Activities

Counselor Training Program:
Member, Advisory Committee
Two groups of counselors

Sex Education Program
Four single meetings
Four sessions in special program with Dr. Dixon

Supervised one graduate student in testing practicum

Participation in summer orientation program with entering freshmen and parents

Liaison with Foreign Student Program

Radio talk on student mental health over WFCR

Outside Activities:
Member, Area Mental Health Board
Rehabilitation Psychology Consultant, Springfield Goodwill Industries

Publications

"Attitudes Toward Illegitimate Pregnancy in University Residence Halls" by Cann, Allen, and McBride. ACHA Journal, Vol. 17, No. 3, February, 1969 (Result of previous year's work)

Research Grants and Projects

With L. Siddall: A continuing study of etiological factors in pregnancy among students

CHITTUM, J. RAYMOND, M.D. (Staff Physician)

Professional Activities

Chairman, Medical Records Committee

Participant: Americal Medical Association Congress on Occupational Health, American Industrial Health Conference, and annual meeting of the American College Health Association

CLAPP, DANIEL E., M.D. (Staff Physician)

Professional Activities

Medical Director, Bethany Home, Inc. (Missionary orphanage in Philippines)

Publications

I.U.D. Performance Patterns, January 1969 (contributor to this statistical report)

COTANCHE, JAMES G., M.D. (Staff Physician)

Professional Activities

Advisor, Pre-Med Club

Advisor, University of Massachusetts Ski Patrol and Para-Medical Club

Chairman, Committee on Athletic Medicine

Chairman, Infirmary Building Committee

Chairman, Student Education Committee

Lecture - "Emergency Care in Laboratory" - presented annually to Chemistry Department faculty and graduate students

School Physician, Hadley School System

Staff Physician, part-time, Veterans Hospital, Northampton

Medical Advisor, Amherst Junior Hockey Association

Education Committee, Massachusetts Academy of General Practice

Participant: Post-graduate Annual Review of Medicine, Duke University, July 14-21, 1968 and Annual Trainers, Coaches, Team Physician Symposium, University of Rhode Island, August 17-18, 1968

DIXON, CAROLYN, M.D. (Staff Physician)

Professional Activities

Attended course "Adolescent Medicine", Harvard Medical School, May 1969

GAGE, ROBERT W., M.D. (Director, University Health Services)

Professional Activities

University of Massachusetts

University Health Council, Chairman 1968-69

Chairman, Department of Public Health

Board of Admissions and Records, Member

Faculty Senate, Member

American College Health Association

President-Elect 1968-69; President 1969-70

Committee on Recommended Standards and Practices, Chairman 1968-69

Executive Planning Committee for Fifth National Conference on Health in College Communities

American Medical Association - American College Health Association Liaison Committee

Massachusetts Chapter, American Academy of General Practice

Vice-President 1968-69

Collaborative Research Committee, Member

Easter Seal Society - Member Professional Advisory Committee

Consultant

Hampshire College

Northampton School for Girls

Greenfield Community College

Participant

American Public Health Association - Annual Meeting November 1968

GAGE, ROBERT W., M.D.

Professional Activities (continued)

Speaker

Massachusetts Association Women's Deans and Counselors, March 1969

University Day for Women, University of Massachusetts, June 1969

HALL, LEO B. (Director of Laboratory and X-Ray Services)

Professional Activities

Participant

New England College Health Association, annual meeting

Massachusetts Medical Society, annual meeting

American Society for Microbiologists, annual meeting

Lecturer

School of Nursing

Advisor - Master's Thesis Committees (2), Department of Public Health

Publications

Electrophoretic Analysis of Serum Proteins in Patients with Infectious Mononucleosis, Brandfass-Ralph-Hall, submitted to Journal of American College Health Association 4-23-69

Research Grants

Faculty Research Grant FR-VII-66-1, "Hematological Values: A Study Designed to Provide a Statistical Model for Continuing Evaluation of Normal Ranges for Selected Hematological Determinations" (with James R. Ralph, M.D.)

HAVENS, JOSEPH, Ph.D. (Clinical Psychologist)

Professional Activities

Development of course, University of Massachusetts, for campus police officers

Development of course in human relations, jointly with Department of Psychology, for police officers, University of Massachusetts

Staff Member - Holyoke Mental Health Center

HAVENS, JOSEPH, Ph.D. (continued)

Publications

"Psychology and Religious Retreats", April 1969, Pastoral Psychology

Special Project

Development of workshops on body movement and encounter

JANOWITZ, JULIAN F., M.D. (Director of Mental Health)

Professional Activities

Supervisor, practicum for graduate students, Department of Psychology

Consultant

Mt. Hermon School

Drexel Institute

Paper

Psychological Awareness Group Sessions in the School of Nursing, University of Massachusetts (unpublished)

KLEIN, STEPHEN M., Ph.D. (Clinical Psychologist)

Professional Activities

Participant, practicum for graduate students, University of Massachusetts

Group leader

Counselor training program

Sensitivity training group, graduate students, Department of Psychology

Consultant, Mt. Hermon School

KNEPP, MARY E., M.D. (Staff Physician)

Professional Activities

Attended course, Internal Medicine Review, Duke University July 1968

MC BRIDE, THOMAS C., M.D. (Assistant Director for Clinical Affairs)

Professional Activities

Chairman, Master's Committee, Department of Public Health

Member, Master's Committee, Department of Government, Department of Physcial Education

Member, Ph.D. Committee, Department of Psychology

Co-chairman of Symposium on Pulmonary Infections under grant from USPHS (National Communicable Disease Center)

WFCR Program on Drug Abuse May 1969

American College of Physicians Course in Preventive Medicine

School Physician, Amherst-Pelham School System

Chairman

Clinical Practices Committee

Staff Education Committee

Publications

"Attitudes Toward Illegitimate Pregnancy in University Residence Halls" with Drs. Allen and Cann, Journal of American College Health Association, February 1969, Vol. 17, No. 3

Research Grants and Projects

A clinical evaluation of Abradant skin cleansers in the treatment of acne vulgaris under a grant from the Dome Laboratories

MOORE, ANTHONY, Ph.D. (Clinical Psychologist)

Professional Activities

Group leader

Counselor training program

Sensitivity training group, graduate students, Department of Psychology

Attended American Orthopsychiatric Association, annual meeting

Research Projects

Conducting survey of attitudes of black students toward Mental Health and feelings about potentiality of black staff members

NICHOLS, BARBARA L., M.A. (Staff Assistant)

Professional Activities

Group leader, Counselor training program

Supervisor of graduate students, Department of Psychology

PETERS, HOWARD A., Ph.D. (Director of Environmental Health and Safety)

Professional Activities

University Health Council, Secretary 1968-69

Assistant Professor, Department of Public Health, University of Massachusetts

Served as member of Committee on Sanitarian and Sanitarian Technician Curriculums, United States Public Health Service, Washington, D.C.

Presented paper, "Environmental Quality Management and the Need for Pre-Entry Professional Education and Post-Entry In-Service Training in Environmental Health", at the Institute on Environmental Quality Management, University of Connecticut, Storrs, December 13, 1968

Guest speaker, annual meeting of the Hampshire County Public Health Association, April 29, 1969. Topic "Our Deteriorating Environment"

Elected as Fellow, American Public Health Association, November 1968

Elected as Full Member, Sigma Xi, national research honorary, April 1969

RALPH, JAMES R., M.D. (Staff Physician)

Professional Activities

Chairman

Laboratory Liaison Committee

Professional Liaison Committee

Advisor, Class of 1970

Program Committee, combined University of Massachusetts-Cooley Dickinson Hospital, CDC Seminar on Respiratory Diseases, October 19, 1968

Consultant-Attending, Medicine & Psychiatry, United States Veterans Administration Hospital, Northampton, Massachusetts

RALPH, JAMES R., M.D. (continued)

Publications

"Electrophoretic Analysis of Serum Protein in Patients with Infectious Mononucleosis", Brandfass, Ralph, Hall, submitted to the Journal of American College Health Association, 4-23-69

Research Grants and Projects

A Faculty Research Grant, FR-VII-66-1, "Hematological Values: A Study Designed to Provide a Statistical Model for Continuing Evaluation of Normal Ranges for Selected Hematological Determination", with Leo B. Hall, B.S.

REED, GEORGE H., M.P.H. (Staff Assistant, Environmental Health and Safety)

Professional Activities

Attended Yankee (Public Health) Conference, September 1968

Participant: Residence hall Distinguished Visitor Program (Greenough - December 1968)

Hampshire Association for Mental Health, member of Executive Board and chairman of Education Committee

Massachusetts Association for Mental Health, attended Leadership Conference, January 1969

REICHERT, KATHARINE E., M.D. (Staff Physician)

Professional Activities

Chairman, Pharmacy Committee

Chairman, Library Committee

Leader, weekly obesity clinic for employees

Coordinator, group premarital counseling

SIDDALL, LAWRENCE B., M.S.W. (Social Worker)

Professional Activities

Consultant to the Clergy Consultation Service

Member, Personnel Committee, United Christian Foundation, University of Massachusetts

Member, Executive Board, Pioneer Valley Chapter, NASW

SIDDALL, LAWRENCE B., M.S.W. (continued)

Research Project

Pregnancy follow-up study, with Dr. Cann

SNOOK, GEORGE A., M.D. (Orthopedic Consultant)

Profesional Activities

Paper presented at the 36th Annual Meeting of the American Academy of Orthopaedic Surgeons, N.Y., N.Y., January 21, 1969--Snook, George A., M.D.; Chrisman, D. O., M.D.; Wilson, T. C., M.D.; and Wietsma, R. D., R.T.; "Subluxation of the Distal Radioulnar Joint by Hyperpronation"

Publications

Snook, George A., M.D. and Chrisman, Donald O., M.D., "The Problem of Refracture of the Tibia", Clinical Orthopaedics and Related Research, Number 60, Sept. - Oct., 1968, pp. 217-219

Snook, George A., M.D. and Manders, Eric I., "The Immortals - The Royal Bodyguard of Xerxes, circa 480 B.C.", Adjutant's Call, Journal of the Military Historical Society, Vol. 6, No. 2, p. 19, 1969

VI. SUMMARY OF ACTIVITIES

A. Clinical Services

Stimulated by an increasing demand for outpatient services, roughly in proportion to the increase in the student body, there was a considerable reorganization of the Outpatient Department. This followed a study of patient waiting-time, a survey of student and staff opinion, and an analysis of the information provided by the new data processing system. The basic change was the trial of a series of nurse-physician teams in the outpatient walk-in clinic, replacing the unit triage system which had not proven uniformly satisfactory. The new system was intended to establish each nurse as both nurse-clinician and physician's assistant. It provides each nurse with the privacy of one room in which to interview and examine a patient without threat to confidentiality; at the same time it provides the physician with a nurse/assistant available to him whenever he is in the clinic. This concept appears to have resulted in a more efficient use of both nursing and medical staff and has permitted a decrease in the use of part-time nursing positions.

Perhaps even more important, this system allows nurses to interview and provide care for a larger percentage of students, thereby saving physicians' time for those patients who need the special, personal attention of the physician. This is consistent with our conviction that health professionals should be trained for use at the highest level of their capacity, conviction which is supported by the enthusiasm with which nurses accept greater responsibilities, provided they have been given adequate training and have continuing supervision.

As a corollary to this, an appointment system was established, which was an instant success. At present about 40 per cent of each physician's clinic time is committed to appointments. Without doubt, this proportion can be increased in the future, especially with increase in the efficiency of the walk-in clinic and perceptive screening on the part of nurses interviewing new patients at the clinic entrance.

Information gathered from the data processing system has been very helpful in clinic management. For example, certain afternoon and early evening hours have been found consistently busier, thus justifying additional nursing help; hours have been identified when there is heavy walk-in traffic and when a larger number of physicians should be assigned to that area.

In the inpatient area a "team nursing" concept has been implemented, which provides for a nurse and nurse's aide to work together, caring for the total needs of all patients on one wing, including whenever possible rounding with the patient's physician in the morning. Another important innovation has been the addition of a part-time ward clerk, who has proved to be invaluable to the head nurse in answering the telephone, making appointments, and generally assisting with the vast amount of record-keeping necessary for the smooth running of the inpatient service.

A new medication record, introduced in the fall, has saved considerable nursing time as well as providing a more accurate and more easily read record for the physician.

Use of inpatient services decreased somewhat this year, with a very slight increase in the average length of stay. The reason for this change, contrary to the trend of past years, is not clear, unless it is related to a concomitant

increase in use of the "lying-down" status for longer periods of time. There were no major epidemics during the year and no striking trends in other illness--although it might be noted that a probable significant epidemic of influenza was averted by the timely intervention of the Christmas holidays.

One critical problem which becomes more serious each year is the inadequate provisions for isolation. Alternative plans for dividing one or more large rooms have been discussed and each discarded as either non-functional, too costly, or a serious compromise of bed capacity. With reluctance, it has been decided that patients with illness requiring long-term isolation, such as hepatitis, will have to be hospitalized elsewhere when the inpatient census is high.

We are aware of seven deaths among students during the past twelve months. Of these, four were from natural causes, two from accidents, and one from suicide.

B. Mental Health

Despite a small decrease in the Mental Health staff due to a vacant position, individual services rendered have increased over those of the previous year by an amount roughly proportionate to the increase in the student body. This has been accomplished by unhappily tight scheduling and the displacement of regular appointments by urgent problems and these, in turn, by emergencies. It is gratifying to experience the continued confidence of students as they seek help from our Mental Health staff, but it is a continual source of frustration to the staff that help is offered so often in an inappropriately frenzied manner. Inevitably, one of the high prices of this frantic pace is some deterioration in the quality of communication between the Mental Health Department and other professionals in the Health Services. The problem has not become serious, but it is a somber warning that frenzy and understanding rarely are compatible on a continuing basis.

Despite the pressure for individual diagnostic and therapeutic care, members of the Mental Health Department have persisted in their firm determination to commit a regular proportion of time and energy to community mental health affairs. Some of the community projects have been substantive; others are more difficult to describe. Among some of the community-oriented projects have been the following:

1. A study of black student usage and attitudes toward the mental health services.

2. Continuation of the study of pregnancy on campus (described elsewhere).

3. Extension of plans for a credit course for security staff on campus, as a part of inservice training.

4. Continuation of sex education discussions in the residence halls and continued planning for a more intensive health education series for 1969-70.

5. Continuing group psychotherapy for the faculty of the School of Nursing.

6. Continuing group meetings for clergy on campus.

7. Group therapy for graduate students in the Department of Psychology.

8. Enlarged group therapy program, including a psychodrama group. There are plans for socialization groups for social isolates in 1969-70.

9. A questionnaire study of married couples and their dependents concerning the need for mental health services.

10. Participation in training groups for student-counselors in residence halls.

11. Participation in a radio series discussion of mental health problems of adolescents and young adults.

12. Participation as guest lecturer for a variety of courses on campus.

13. Participation with the medical staff in inservice education during intersession.

C. Athletic Medicine

An Athletic Medicine Committee was appointed during the year and charged with coordinating medical services for participants in the athletic programs (intercollegiate and intramural), reviewing and recommending policies concerning the health care of athletes and maintaining close coordination of the interests and activities of the Health Services and the Department of Athletics.

More specifically, the Committee was charged to:

1. Schedule/provide physician services appropriately during practice and/or games in selected contact sports.

2. Supervise the maintenance of records of injuries incurred in all athletic activities; assist in the review of accident records in an effort to develop programs for the prevention of injuries.

3. Supervise the activities of trainers and other health care personnel employed by the Department of Intercollegiate Athletics insofar as their activities relate to the care of injuries.

4. Arrange appropriate health evaluations for all participants in the intercollegiate athletic program.

5. Consult with coaches, and others interested, concerning health aspects of training, practice, and participation in athletic endeavors.

6. Assist as needed in the training and supervision of student trainers.

It is expected that this Committee will have basic recommendations for reorganization and possibly extension of the athletic medicine program.

D. Laboratory and X-ray Services

The laboratory and x-ray departments have continued to provide outstanding supporting service for both outpatient and inpatient care. Over 40,000 laboratory tests have been performed and over 4,200 patients have been x-rayed during the year. The reorganization of the outpatient clinic has resulted in a slight reduction in hematology requests; at the same time, physicians have made increased requests for biochemistry and bacteriology tests.

In an effort to decrease the impact of personnel turnover and to institute a more efficient management system, the clinical laboratory has been divided into three sections: Hematology, Biochemistry, and Microbiology. Each of these sections has an assigned supervisor, with workers subject to some rotation in order to provide necessary flexibility.

We are exceptionally fortunate in having laboratory services continue at an extremely high level of competence, in spite of totally inadequate quarters. Alterations currently in progress will permit the Biochemistry Department to move to the second floor before next year. This and other alterations will permit more room for both Hematology and Microbiology. It is hoped that this adjustment in space will be sufficient until the addition has been constructed, since there seems to be no other conceivable area to which the laboratory could expand, at least not without major renovation and at considerable cost.

Preliminary arrangements have been made with the Springfield Technical Community College to have individuals enrolled in the Associate in Science degree program for certified laboratory assistants take their clinical laboratory internship at the University Health Services. This will mean that one or two students will be working in our laboratory each semester in the future.

The laboratory quality control program continues to reflect the high degree of competence of our laboratory services. The laboratory has participated with outstanding success in the approval program of the Massachusetts Department of Public Health and in the basic, comprehensive, and special survey programs of the College of American Pathologists.

The laboratory is negotiating for participation in a survey of nutrition within the state of Massachusetts. The proposed survey would be funded through a U.S. Public Health Service grant, in cooperation with the Department of Public Health and the Department of Nutrition and Foods.

E. Medical Records

The Medical Records Department continues to perform at a high level of efficiency, which is remarkable considering the severe space problems which become graver as the years go by. The storage of active records continues to expand as the enrollment increases, and very soon some provision must be made for the expansion of active records which cannot be accommodated in the existing record room.

The greatest achievement in the medical records has been the development of the automated information storage and retrieval system. Initiated in 1965 under the direction of Doctors Gage and Schoenberger, the system finally became fully operational in the spring of 1968 after several earlier attempts using different methods had failed to work to our satisfaction. The automated

information system has become operational in two basic areas. The first system is a cooperative effort among the Administrative Data Processing Center, the Health Services, the Counseling and Guidance Center, and the Research Computer Center. After a student has been accepted for admission to the University and has been assigned a student number, the Administrative Data Processing Center produces preprinted medical history and health evaluation forms which are mailed to the student for completion. The information completed by the student and his physician is returned to the Health Services, where it is prepared for processing by the optical scanner in the Counseling and Guidance Center. Information then is transferred to tape in the Research Computer Center, where it is stored subject to recall by a variety of programs. This information is used to identify students who need adjustment of academic housing or social arrangements; additional clinical examination; mental health counseling; follow-up medical care, etc.

This system has been a tremendous help in processing smoothly the health problems of all students coming through the Summer Counseling program. Anticipation and resolution of health problems during the summer has made the early weeks of the fall semester somewhat less hectic than previously.

In addition, information placed on tape can be used for a variety of preventive and clinical management programs. It will be an invaluable tool for the development of long-range prospective studies of selected health problems in the future.

A second system provides a method of gathering information concerning health care provided students during attendance at the University. Students seen in the outpatient clinic initiate a machine-readable form, and the physician or nurse records the diagnosis and the treatment or other professional services rendered. Date and time of service are included for management purposes. Information concerning a patient's inpatient stay also is recorded on a machine-readable form in the admissions office.

It has been found that this system requires an insignificant amount of professional staff time and less than two hours a day of clerical time to process between 350 and 400 student visits per day. Once gathered, the information is placed on magnetic tape and is readily available to provide accurate service information, according to a variety of programs, in a quick and inexpensive manner. Weekly reports, for example, indicate the number of students being seen each hour by each physician and by diagnosis. This information collected and monitored over a period of weeks has been helpful in determining the number of physicians and nurses needed to see walk-in patients for each hour of the day of a given week. The timing of appointments, specialty clinics, extra nursing assistance, etc., are readily predictable.

The system has been received with excellent response on the part of physicians and nurses. Major benefits include relatively easy recording of diagnoses, retention of medical judgment in recording, minimal double recording, elimination of errors resulting from misinterpretation of clinical impressions in unreadable handwriting, and standardized recording of data. This information also can be used for identifying unmet health needs of the student population, for use in financial planning and for developing models of future Health Services utilization, staffing patterns, type and size of facilities needed, and budgetary requirements.

The fact that this system has operated so well without a medical records librarian is a direct tribute to the energy and competence of Mr. Barry Averill, the Assistant Director for Administration, and the dedication of the many medical records personnel who have endured recurrent frustration and who now are enjoying the unqualified success of these systems.

Application has been made for a grant from the Research Computing Center to develop the methods and systems necessary for establishing a Laboratory Information System (LIS) and a Mental Health Information System (MHS). Plans for next year include the development of prototypes for these systems, using optical scanning techniques, and the investigation of the feasibility of more sophisticated input devices such as online teletype and cathode-ray terminals.

A special word of thanks is extended to Mr. Robert Gonter, Applications Program Manager, Research Computing Center, and Mr. Simon Keochakian, Summer Counseling Director, University Counseling and Guidance Services, for their advice and direct assistance contributing materially to the success of these information systems.

F. Pharmacy Service

The Pharmacy Service experienced a sharp growth during the past year. The medication room was relocated to the second floor in a larger area. The staff increased from one to two full-time nurses and the hours were extended from 40 to 53 hours per week, including four hours on Saturday morning. In the new medication room it was possible to install additional shelves, thus providing space to begin stocking and prepackaging commonly prescribed legended pharmaceuticals. These changes made possible a considerable improvement in dispensing medications. Mr. Harsfield, consulting pharmacist, worked closely with the Pharmacy Committee of the medical staff in revising, updating, and simplifying the formulary. He also developed appropriate packaging of over-the-counter medications as required by federal regulations (APC, aspirin, and cold tablets).

In response to student request, a second self-care cold center was established in Southwest residential college on an experimental basis, the first such unit outside the Infirmary. Approximately 50 students per week made use of this service, which seems to justify its existence as a convenience for students who feel it is unnecessary to travel across campus, especially in inclement weather, to obtain over-the-counter medications. This cold self-treatment center will be continued on an experimental basis during the fall semester.

The consulting pharmacist provided services to research programs in the Departments of Zoology and Psychology. For many researchers, the Pharmacy Service has been the only campus source of drugs to be used for purposes other than human consumption.

Pharmaceutical contributions have been received from Pitman-Moore, William Rohrer, Inc., and Westwood Laboratories. The estimated value of these contributions during the year was $2,000, which represents a decrease of approximately $2,000 from the previous year. Students benefited directly from these contributions since they help materially in reducing the overall cost of medications.

Drug samples and pharmaceuticals not utilized by the Health Services were sent to the Martin County Health Department in Inez, Kentucky.

Plans have been developed to expand the pharmaceutical services beginning in the fall of 1969, including the appointment of a full-time pharmacist. This will make it possible to manufacture cold syrups, gargles, topical ointments, and ophthalmic preparations in bulk at a considerable savings. The pharmacy will maintain prescription files, perpetual inventory of narcotics and HR-2 drugs, and appropriate business records.

In addition to supervising the dispensing pharmacy, the Director of Pharmacy Services will be active in developing a drug information center. This service will provide the staff of the Health Services with up-to-date information on drug therapy. Reference books will be maintained and bulletins containing information on new drugs will be circulated among members of the medical and nursing staffs. This service also may be available upon request to researchers and educators elsewhere on campus.

The third facet of the expanding pharmaceutical services will be contribution to the health information program. The Director of Pharmacy Services will be available to work with health educators and other professional staff in the development and presentation of programs for education concerning personal and community health. The pharmacist's special knowledge in the area of drugs, pharmaceutical law, and drug usage will qualify him as an excellent resource person for many other staff members.

G. Physical Therapy Service

The Physical Therapy Service provided a wide variety of treatments and exercises for students in need of assistance during the school year. The fall semester's activity was less than usual, attributable in part to increased supervision of intramural athletics by the Athletic Department. A sharp increase in use was experienced during the months of January and February as a result of the severe winter storms and increased use of the ski slopes by the students. We have been extremely fortunate to have the competent and enthusiastic assistance of Mrs. Small during the past two years. We wish her well as she leaves to attend her growing family, and we only hope we can come close to being as fortunate in appointing a replacement for her.

H. Health Education

The increased involvement of the staff of the Health Services in the health education program, noted during recent years, has continued. There has been lively interest on the part of students in sponsoring health programs in the residence halls, with emphasis upon contemporary problems, especially those related to sexuality and drug use. The continuing rise in the rate of pregnancies recorded at the Health Services, although possibly in part a reflection of increased confidence in our services on the part of students, is eloquent evidence that our work is far from completed. Elsewhere in this report (Section VII) there is a brief description of a project in progress for studying this problem.

During the second semester, Mrs. Jane Zapka worked with the Health Services as an associate in health education while doing her field work with the Department of Public Health. She selected Orchard Hill as the residence area in which to concentrate her activities. Contacts and conferences with students, student counselors, heads of residence, and a few faculty helped to clarify some of the problems standing in the way of an effective health education program and to point the way to resolving some of them.

One of the unresolved problems is that of establishing continuing and effective relationships with students. If the health program is to reflect accurately the needs of students, it is imperative that we have the benefit of continuing advice and guidance from responsible members of the student body. Unfortunately, it often is difficult to enlist the aid of students in guiding a health program, especially when the program, even though limited, is satisfactory. It is much easier to arouse student reaction to abuses and inadequacies than it is to channel their creative interest in improving the quality of the present program or expanding its horizons with new and improved services.

During the year, a Student Health and Welfare Council was formed in an effort to provide a medium or mechanism through which students could offer their advice and guidance and could participate in decision-making concerning the health program. This effort met with only moderate success, but it was helpful in providing a group of students who were interested and helpful in interviewing candidates for appointment to the professional staff.

The basic decision that health education on this campus will not be developed through instituting a required course in personal and/or community health has been reaffirmed. This decision places upon us a heavier responsibility for developing a program through which students and other members of the University community can share in the benefits of participating in the many activities which comprise a well-coordinated program in personal and community health. The appointment of a community health educator, authorized for the coming year, is imperative as a means of directing and coordinating this development.

I. Environmental Health and Safety

Responsibilities and activities in the area of Environmental Health and Safety have continued to increase. There has been continuing surveillance of on-campus housing, food service including vending machines, and a variety of other environmental problems. There have been no unusual incidents to report.

In addition, there has been a continuing review of accident reports collected by the Health Services, active promotion of a laboratory safety program in conjunction with the Chemical Storage and Distribution Committee, and continuing review of fire safety problems in the residence halls. A serious problem has arisen with the increasing unauthorized use by students of hot plates, refrigerators, and other electrical appliances in their rooms, a reflection of increased student pressure for self-determination.

Many students are unhappy with the requirement for mandatory board and are seeking ways of modifying and/or circumventing University regulations. Working with this intense student interest is a challenge in both health education and government.

In collaboration with the University Health Council, there is active exploration of the degree to which existing regulations can be modified with safety and the means for stimulating students to assume more responsibility for formulating and enforcing living patterns which will assure the safety of all residents of communal housing.

The annual Atomic Energy Commission inspection of radiation use and practices revealed several potentially serious problems. Although the AEC license was renewed, the University received a firm warning that practices must be improved, lest the license be rescinded--an obvious threat to much of the research program. As a direct result of this action, authorization was granted for the appointment of a full-time health physicist, who joined the staff on June 1.

Plans for the fraternity-sorority park were completed during the year and plans for the first residence unit were presented for review. There has been clarification of standards to be applied and the information necessary for adequate review of these building plans. Construction now has started on the first of these fraternity units and others are being reviewed at present. In addition, the plans of the new Northeast residential unit and other laboratory installations have been reviewed prior to construction.

J. Personnel

Medical:

We are fortunate in that, with the exception of a vacancy in one psychiatrist position, we have operated throughout virtually the entire year with a full professional staff. This is remarkable in view of the evident progressive shortage of health professionals in all categories.

Doctor Peter Anastasia resigned as staff physician in favor of a financially more rewarding position with the Holyoke Hospital Emergency Service; Doctor Daniel Clapp will return at the end of the year to continue his medical missionary work in the Philippines. We shall miss the help and the association with these valuable colleagues; we look forward to Doctor Clapp's return in two years.

We feel fortunate in having attracted several well-qualified applicants for the three positions available on the medical staff and are happy that we have been able to offer appointments to three of them for next year.

The position of psychiatrist, which has been vacant all year, is one which will be very difficult to fill. Our conviction that our mental health program must have a strong community orientation limits the number of applicants who are properly qualified; the financial limitations are an additional deterrent in attracting a serious applicant from among those to whom we would like to offer an appointment.

Nursing:

We continue to be very fortunate in having a full nursing staff, in spite of the shortages reported in nearly all hospitals. We have an unusually alert group of nurses who are eager to expand their professional horizons and to assume increasing responsibility--and we hope thereby to gain more professional satisfaction. Through a more active inservice education program, we hope to make the position of these nurses more challenging in the future. With unusually small turnover at the end of this year, we look forward to another year of superb nursing service.

Secretarial:

The secretarial services have broadened in scope in several important areas, including the addition of a third-floor ward secretary and the assumption of responsibility for handling student insurance claims information. We continue to operate under the strain of serious space shortage, but expansion of the secretarial service to the second floor corridor and relocation of the main telephone have relieved some of the sources of stress.

The inservice education program, coordinated with that for the nursing service, has been more active during the year and very helpful in giving the members of our secretarial service a clearer overall concept of the health program. Plans for the future include an expansion of the inservice program and the development of a secretarial handbook which will help to standardize and clarify the wide variety of secretarial duties.

K. Business Services

Personnel Management:

A periodic meeting of staff supervisors was initiated this year to provide a vehicle of communication between employees and the administration. This has succeeded in improving the level of uniformity in personnel practices within the Health Services and has contributed to better staff morale and increased work effectiveness. Job descriptions written with the assistance of each employee and his supervisor have clarified job roles and means for evaluation. These are especially helpful in the orientation of new staff members.

In an election held last fall, the employees of the University of Massachusetts elected to be represented by the Massachusetts State Employees' Association and the American Federation of State and Municipal Employees in matters related to hours of work, conditions of employment, etc. Staff members of the Health Services are represented by both bargaining units. Laboratory technologists, x-ray technologists, secretaries, medical records clerks, and hospital aides will be represented by the Massachusetts State Employees' Association. Food service, housekeeping, and janitorial staffs will be represented by the American Federation of State and Municipal Employees.

Materials Management:

Policies and procedures governing purchasing materials within the Health Services have been developed and distributed to all supervisors. These policies clarify the position of the Business Office as responsible for the procurement of all materials, goods, and services from venders outside the Health Services. A storeroom has been established and a storekeeper employed on a part-time basis. This provides more orderly inventory, storage, and availability of all medical, surgical, and clerical supplies.

Data Processing:

Reference has been made elsewhere to the development of the operational and highly effective data processing system for health information and record of services.

The total cost of programming, forms, and computing time amounted to $9,800 during the 1968-69 academic year. This amounts to approximately 15 cents per student visit if all costs of the data processing system are attributed to outpatient services, an approximation subject to significant error. These costs were directly offset in part by salary savings resulting from increased efficiency of the outpatient clinics. Calculation of the exact amount of savings in professional time and overall improvement of the outpatient operation is difficult. It is very valuable, nevertheless, to have a mechanism for evaluating new techniques in medical care, for monitoring the quality of patient care, and for generating data for clinical research and epidemiology. Information of this type is indispensable for a program which is to be developed in response to changing need, run with efficiency, and evaluated critically in the light of new methods and changing program objectives.

Maintenance and Housekeeping:

Under the guidance of Mrs. Beatrice Germain and Mr. Robert Martula, housekeeping and maintenance services continue to set a standard for building maintenance which is a worthy example to the rest of the campus. Our staff has taken for granted the high level of cleanliness and maintenance; visitors, on the other hand, are repeatedly surprised that this building has received continuing hard use since November 1961.

Food Services:

Inpatients have a small but important advantage in the quality of the food services provided by our dedicated staff. It is unfortunate that we have neither the space nor the administrative mechanism for making these same services available to our entire staff. Mrs. Cora Mientka, a faithful and resourceful cook (and an outstanding fisherman in off-duty hours), retired after 17 years of dedicated service to our students. Her retirement will be mourned by many.

VII. SPECIAL PROJECTS

A. Health Education and Mental Health

We have been concerned by the steady increase in the number of pregnancies reported by the Health Services, an increase out of proportion to the increasing number of women on the campus. In part this may reflect an improvement in our image among students--particularly, clearer perception of our emphasis upon confidentiality; in part, however, it almost certainly reflects an increased incidence, which is difficult to measure by any simple and accurate means. From brief informal questioning of our local medical colleagues, it seems possible that the number of students seen by them and by other physicians at home is equal to the total seen at the Health Services. In addition, there is no way of estimating those who "resolve" their pregnancy problems by illegal non-medical means. We see a sufficient number of students for complications of illegal manipulation to know that the number is not inconsequential. In short, this is a serious and continuing problem to which we have been determined to address ourselves.

If prevention is a primary goal of the health program, the problem of unwanted pregnancies must be approached as an educational rather than a therapeutic exercise. Furthermore, if the program is to be effective, it must be based upon sound information concerning the factors which contribute to it. Obviously, many students do not have accurate and timely information concerning the biology of human reproduction; it is equally clear, however, that information alone is not the only important factor and that an analysis of attitudinal and behavioral determinants will be essential to an effective preventive educational program.

It is to this end that we have initiated a pilot study to describe and measure personal and social factors underlying accidental pregnancies. Information from a series of students is being analyzed as a prelude to formulation of a major formal research project through which we hope to gain the information for developing a rational, effective health education program. Without doubt, this program will comprise opportunities for providing information, understanding the interpersonal dynamics of sexuality, gaining an awareness of peer influence and parental relationships, and assisting in the formulation of individual behavior patterns which may be both rational and germane to individual needs.

Related to this is a continuing project for the development of a continuing and more intensive program in understanding human sexuality. Many members of our staff have spent considerable time in response to invitations from students to hold discussions in the residence halls. But this is not enough. The time has come for accelerating development of a better-coordinated program, utilizing resources which are less limited than the extra time of our professional staff. One of the most hopeful avenues for exploration seems to be the use of students themselves as mediators for the dissemination of information and the discussion of attitudes, values, and behavior. We are exploring the development of a corps of students interested in this project, both among existing counselors in residence halls and other students specifically interested in becoming health aides.

During the coming year we shall investigate and develop this area much more intensely, possibly looking to resources outside the University for major assistance in funding this new type of program.

B. Student Relationships

Student Transportation:

In response to overt student requests, a transportation system from the Southwest Residential Area was initiated on a trial basis during the second semester. Through the lease of a vehicle and the employment of students as drivers, service was provided daily during scheduled morning and afternoon hours. Use of this service was variable. In general it supported the observation that many students had considerable difficulty in getting to the Infirmary from the Southwest Area, especially when their illness was moderately serious but not sufficiently so to justify calling the police emergency service.

Student Participation in Program Planning and Evaluation:

A major attempt was made during the year to establish a Student Health and Welfare Council which would be empowered to provide advice, to give guidance, and to participate in many of the decisions concerning program development and evaluation. Interest could be described as desultory to moderate. Reaction of the Student Senate Services Committee to the proposed Health and Welfare Council was interesting in that the Committee indicated that it preferred to continue its role as the official grievance mechanism for students. Our concept of the Health and Welfare Council, however, was for a more positive and creative body which could reflect student interests, opinions, attitudes, and concerns prior to their developing to the point of actual grievances.

One of the main activities of the Council was to provide an interview panel for candidates for professional appointments to the Health Services. As a result, each candidate for one of these positions was interviewed by a group of four to six students from the interview panel at some time during his visit to the University. All candidates accepted the opportunity with considerable interest and most found the experience very helpful in giving them a clearer concept of the special opportunities associated with the health program of a rapidly growing university. The practice of medicine with young adults, for example, has many special rewards which are not apparent immediately to those unacquainted with this work. The student interview seems to be a very satisfactory means of sharing this experience promptly and accurately.

C. Data Processing

The data processing project described elsewhere has been of especial interest during the year. Begun in 1965 with a grant from the Faculty Research Council, the project finally has borne fruit this year with an operational and very useful program. As a result, we now have on a continuing basis considerable diagnostic and service information by which we can conduct both continuing and periodic review of many of our services. Already this system has been helpful in guiding our adaptation to service needs and in developing more efficient management practices. With the accumulation of more experience, it should be very helpful in making service, personnel, and financial projections for the future.

Mr. Barry Averill, who took a prominent part in the development of the Electronic Data Processing Symposium at the Annual Meeting of the American College Health Association (Oklahoma City, April 1969), deserves considerable credit for the development of our system. It seems clear that the University of Massachusetts is in the forefront of those institutions and hospitals which are developing data processing systems for outpatient services.

VIII. FUTURE NEEDS

A. Program Development

With medical and mental health services well established, the time has come for more attention to be directed to developing a comprehensive health program for the entire University community. This does not imply the need for the direct provision of extensive additional clinical services. It does require, however, the development of a plan through which a total spectrum of health services--preventive, diagnostic, therapeutic, rehabilitative, and educational--can be available to all members of the community through either our own resources or by arrangements for the use of extramural resources. The cost need not be great, but, cost or not, the responsibility is ours.

Occupational Health:

Because of the high priority for care of students, who support virtually the entire health program, little has been done in the area of occupational health beyond providing tuberculosis screening for all employees, first-aid or urgent medical care for victims of accidents or acute medical illness, and immunizations for farm workers, foreign travelers, etc. To dignify these minimal assorted services as an occupational health program would be a euphemism indeed.

With the growth in size and complexity of the campus, the increasing competence of the staff of the Health Services, the frequent difficulty in obtaining care from community physicians, and in view of the critical needs for a more effective preventive health program for employees, the time seems to have come for a more realistic approach to occupational health. During the coming months an informal survey will be made of various department heads to catalog needs in this area. There is abundant evidence of a general need for increased accident prevention and safety education. Independent fragmented efforts of safety committees at the departmental level will be helpful but cannot possibly be expected to achieve the level of uniform compliance with acceptable standards of safe operation and practice which are demanded by the community at large.

Furthermore, thought should be given to the wisdom and indeed the economic justification for providing preplacement health evaluations, at least for senior faculty members and workers in high-risk situations. It has been shown by several other institutions that entire occupational health programs are financed readily by the savings in compensation insurance premiums. It is time for us to turn these lessons to our own advantage and begin the development of a vital occupational health program before this is demanded by the demonstration of a tragic accident or other unnecessary loss.

It has been mentioned previously, and it should be emphasized now, that one of our most critical needs is for a full-time safety engineer. Planning, construction, and operation continuously oriented toward safety, augmented by an imaginative safety education program, are essential for the maintenance of an efficiently productive university community.

Health Education:

Mention has been made previously of the need for developing a program to promote personal and community health. It is mentioned here again to emphasize the fact that continuing to provide episodic medical care and corrective safety measures after illness or accidents is comparable to rebuilding after the violence which should have been prevented through understanding of basic social forces.

Research:

Organized inquiry into new problems and systematic search for new and more effective answers to old problems are important components of any high quality health program. The natural curiosity of the staff (if, indeed, any has survived the harsh realities of professional education) should be nurtured, supported, and encouraged at every opportunity. Research projects may be conceived through individual initiative but they should be sufficiently valuable to be granted institutional support through released time and financial assistance. This is no less true of our staff than it is for other members of the academic community. We have unique opportunities for investigating basic health and interpersonal relationships among young adults and we must find both time and money to support these investigations. In particular, the study of the origins of accidental pregnancy should be pursued.

Health Care for Student Dependents and/or Faculty:

The health needs of student dependents are real and are met with resources which often are less readily available than those for students. Students whose dependents are ill and who find it difficult to arrange appropriate care cannot be expected to take full advantage of their academic opportunities. Similarly, faculty or staff who have unresolved health problems find their interest and energy dissipated and their productivity diminished. It is in the interest of the academic community, therefore, that student dependents, faculty, and staff have access to the high quality services of a comprehensive health program.

It is not too early to look at the future when we can be expected to provide more care than we are at present. The projected Infirmary addition is being planned in such a manner that an additional unit can be added at some time in the future. We should begin planning now to accommodate the predictable pressure from student dependents and/or faculty to be included in the health care system at some time in the future. Planning should include not only physical facilities but active exploration of different means for gaining appropriate support for the program from the enlarged roster of subscribers.

B. Space

The yearly plea for additional space becomes steadily more imperative with the passage of time. As the number of patients increases, the supporting services are extended, and the staff expanded, the building shrinks--or at least so it seems. This process cannot continue indefinitely since there is an ultimate limit to the number of patients and services which can be accommodated without deterioration in the quality of care and without significant loss of efficiency. Removing the Mental Health Department to Brooks a year ago permitted expansion of the Outpatient Department to the second floor, establishing an appointment clinic

area. The current removal of the Environmental Health and Safety Department to Brooks will release space to accommodate the health educator and an additional staff physician. A second-floor shower is being renovated to accommodate the laboratory expansion. With these moves it seems that we have come close to the point of diminishing returns, beyond which the addition of more personnel and the attempt to provide more services will lead inevitably to a decrease in efficiency of our services. Only with major renovation of existing space could we hope to improve the operation, renovation which would accomplish relatively little and could be made only at much more expense than is justifiable for what we hope will be a relatively short time until the addition is ready for occupancy.

Hopes for the Infirmary addition were raised with the acceptance of the architectural feasibility study. Later, however, these hopes were dampened with the news that a technical inconsistency in an appropriations bill probably would cause an additional year of delay before construction could begin. Regardless of when it begins,it seems doomed to be too late to avoid the serious consequences of overcrowding--we hope not too little to meet the needs for the future program. If for any reason building is postponed so that the addition is not ready by the fall of 1972, it certainly will be necessary to seek additional temporary quarters, or to curtail service.

C. Consumer Participation

Although the health program has been generally very well received among students, the lessons of other health organizations are clear. The time has arrived for consumers to be granted more than token involvement in the decision-making concerning health programs. Our experience has shown that students can be interested, that they can participate in a creative manner, and that their participation leads to better utilization of services and more solid support of the program as a whole.

If we will but take the time to listen to students and to talk with them about possible solutions to their problems, we need not fear the imposition of unreasonable demands. Students involved in decision-making and responsible for the consequences of their decisions provide guidance which is enlightened, support which is spirited, and understanding which is heartening.

Specifically, we intend to pursue the development of continuing close association with our student subscribers, asking them for assistance in guidance in as many areas as possible in the development of the health program. As the opportunity arises for extending the benefits of the program to student dependents, faculty, and staff, they also will be sought for guidance.

D. Professional Education

A sound, high-quality University health program presents many opportunities for participating in the education of health professionals. Some of the opportunities are unique, since there is a concentration of experience with the health problems of young adults; others are valuable primarily because of the interrelationship among health workers and services which can be developed in an institutional community. Whenever possible, an effort should be made to utilize

existing service, surveillance, and educational functions of the health program, either as the foundation for basic professional education curricula or to enrich existing programs through introduction of special experience.

For several years we have participated in the graduate program in clinical psychology by providing clinical experience for graduate students. Arrangements have been made to accept students from the Certified Laboratory Technician program for clinical experience in the laboratory. We are exploring now the possibility of establishing in our outpatient area a teaching unit for sharing our clinical experience with students of the School of Nursing. We look forward to developing other cooperative clinical teaching projects for medical students and for post-graduate medical experience. Involvement in teaching is, for many professionals, the optimum source of personal stimulation and professional satisfaction.

In conclusion, this has been an active and stimulating year. We have experienced moments of considerable success, if not triumph, and a few episodes of near failure. In general, the morale of the staff has remained high and the support of students, solid. Our review of the past may have tempered our self-satisfaction but it hasn't limited our enthusiasm for the years ahead.

For our success in the past, we owe a vote of thanks to many dedicated members of our staff. To enumerate some would be to neglect others who have made equally valuable but less spectacular contributions. To all who have worked together to make this an outstanding year, a hearty vote of thanks is due from all who have benefited. We look forward to the year ahead.

ANNUAL REPORT

PLACEMENT AND FINANCIAL AID SERVICES
(July 1, 1968–June 30, 1969)

ROBERT J. MORRISSEY, Director

June, 1969

Placement & Financial Aid Services
UNIVERSITY OF MASSACHUSETTS
Amherst, Massachusetts

PLACEMENT & FINANCIAL AID SERVICES

STAFF

The entire staff of these services is to be commended for its devotion to the tasks at hand. Neither the Dow sit-in nor the frustrations of irritated students who did not get the aid they desired deterred the staff from carrying on in the usual efficient manner.

The fine esprit de corps exhibited among the personnel of these services is indeed gratifying. Too often the people who do the detail work go unheralded. Ours deserve a "well done - - good and faithful - -".

FUNCTIONS

(In Alphabetical Order)

1. Career and Financial Counseling has been enhanced by evening meetings in dorms and with various groups throughout the year. Individual counsel continues in the offices where students are advised regarding career patterns and potential, job-hunting techniques, draft and deferment problems, job market information and requirements, personal financial affairs, loan possibilities, etc.

2. Draft Registration and Student Certification. Student certificates, "Selective Service Form 109", were filed for 9,465 individuals. In addition, scores of students called to discuss their personal and particular draft problems. In many instances individual letters or telephone calls were sent or made in behalf of the students to the several Draft Boards. Registration cards for Selective Service were made out for 282 students who attained their eighteenth birthdays during the academic year, thus making it unnecessary for these young men to return to their home towns for required registration. (See Appendix D).

3. Educational Opportunity Grants totaling $321,062 were awarded to 619 students during the past year. In addition, 20 nursing students received Nursing Educational Opportunity Grants which amounted to $8,350. Also, during the past year, much tighter eligibility restrictions regarding the Educational Opportunity Grant Program were put into effect by the Federal Government and adhered to by this office. (See Appendix D)

4. Educational and Teacher Placement increased in volume due to the excellent liaison established with the School of Education and the enthusiasm for placement exhibited by that School. Due to the large numbers of students interested in teaching, coupled with the large number of graduates everywhere who wish to teach and the job openings being filled rapidly, the dearth of teachers has ceased to exist. Although efforts were made to improve the placement program for graduate degree recipients interested in teaching, much more needs to be done and an effort to improve relations with departments concerned will be made next year. The preparation and mailing of credentials for teacher vacancies reached an all time high of 4,840.

5. Employment Interviews were conducted by 467 employers. These employers held 5,637 interviews, which was a slight increase over the previous year. 87 employer visits were cancelled because of lack of student interest. Arrangements for the student interviews require considerable time for working out details concerning University policy, making appointments to fit student schedules, processing resumes and recommendations, and providing opportunities for faculty to meet employers. (See Appendix E, E-1, & E-2)

6. Graduate Degree Placement found 387 students with master and doctor degrees registered with the Placement Service. 146 of these were interviewed by various employers who visited the campus seeking advanced degree personnel.

7. Graduate School Recruitment - 8 graduate schools including Ohio State and the University of Rochester for their business programs, and Temple University and Colgate University for their Master of Arts in Teaching program, visited the campus to discuss their offerings. Cornell University School of Industrial and Labor Relations was a newcomer to the list.

8. Job Placement picked up at a slower rate than in the previous year. Recruiters seem to be more selective in all areas with personality and scholastic record gaining more emphasis. Accountants, engineers, and scientists continued to be in high demand. The demand for teachers was still high but showed definite signs of leveling off. Students in the liberal arts and business administration, other than accounting, were under more strain in securing positions due to the economic situation.

9. Loans - Once again loan funds were the primary source of aid for University students. NDEA, Mass HELP Loans, Nursing Student Loans, Cuban Loans, University Short Term Loans, and Graduate and Foreign Student Loans supplied almost 2-1/2 million dollars during this past year. (See Appendix B)

10. Occupational Information and Career Literature was available in volume, and the Placement Library was used extensively during the entire year. The adoption of filing boxes for part of the collection of graduate school catalogs proved most helpful in assisting the students to locate a desired catalog. The entire collection will be arranged in this way as soon as possible. All files were expanded throughout the year including information on fellowships and assistantships. Employer literature was handled efficiently, and the students had easy access to give-away brochures and the permanent file on the employers about whom they wished more information. Periodicals were added to the magazine collection and more job notebooks were made available in the area of Educational Placement to take care of the increased emphasis on college teaching. It was gratifying during the entire year to have the library used by so many students, and it is hoped that we can reach more and more undergraduates as the information about our Placement Library spreads throughout the campus.

11. Part-time Work. Many students acquired off-campus employment after consulting the Placement Office file, which lists all off-campus employment opportunities reported to the Placement Office. All students employed by the University were placed on the University payroll by the Placement and Financial Aid Services office. A manual summarizing policies for student employment along with a campus wage scale for specific jobs was revised and distributed to the departments. The campus wage scale was raised so as to conform with federal minimum wage laws. A total of 4,388 students participated in some form of part-time work on campus, including the University part-time work program, the College Work-Study Program, and employment under various grants. The students earned a total of $1,836,645 from July 1, 1968 through May 31, 1969. An additional $120,000 will probably be earned during June.

12. Scholarships and Grants-in-Aid. Almost 1,500 students were given this form of assistance last year. The number of applications received increased substantially from 9,000 last year to 11,500 this past year. (See Appendix C)

13. Summer Employment. Summer work opportunities were discussed individually with about 340 students. A number of companies made recruiting visits to discuss technical summer job opportunities and other work with interested students. There were not many job opportunities on campus due to budget deficiencies but the Work-Study Program, a federally subsidized employment program particularly for students who meet established need criteria, has helped somewhat in this area.

14. Undergraduate Assistantships were awarded to 192 students who received stipends of $300 per semester for eight hours of work per week in an academic department. A total of $109,800 was awarded in the form of Undergraduate Assistantships for the year 1968-69.

15. Veterans Affairs. 1,167 students were enrolled under various veteran public laws (See Appendix D). Key officials of the Veterans Administration Boston office met with deans and directors of graduate work on campus to bring about a clearer understanding as to credit content of graduate programs. Representatives of the armed forces, Marine Corps, Army, Navy, and Navy Flight came to campus each semester to provide information about officer candidate programs.

16. Work-Study Program - a federally subsidized employment program for financially needy students under which 1,537 students were employed at various part-time jobs on campus and at 47 non-profit agencies off campus. Students earned a total of $356,180 in wages under this program. Following federal guidelines, off campus agencies included municipal, federal, and state agencies, hospitals, Y.M.C.A.'s, Boys Clubs, libraries, and schools.

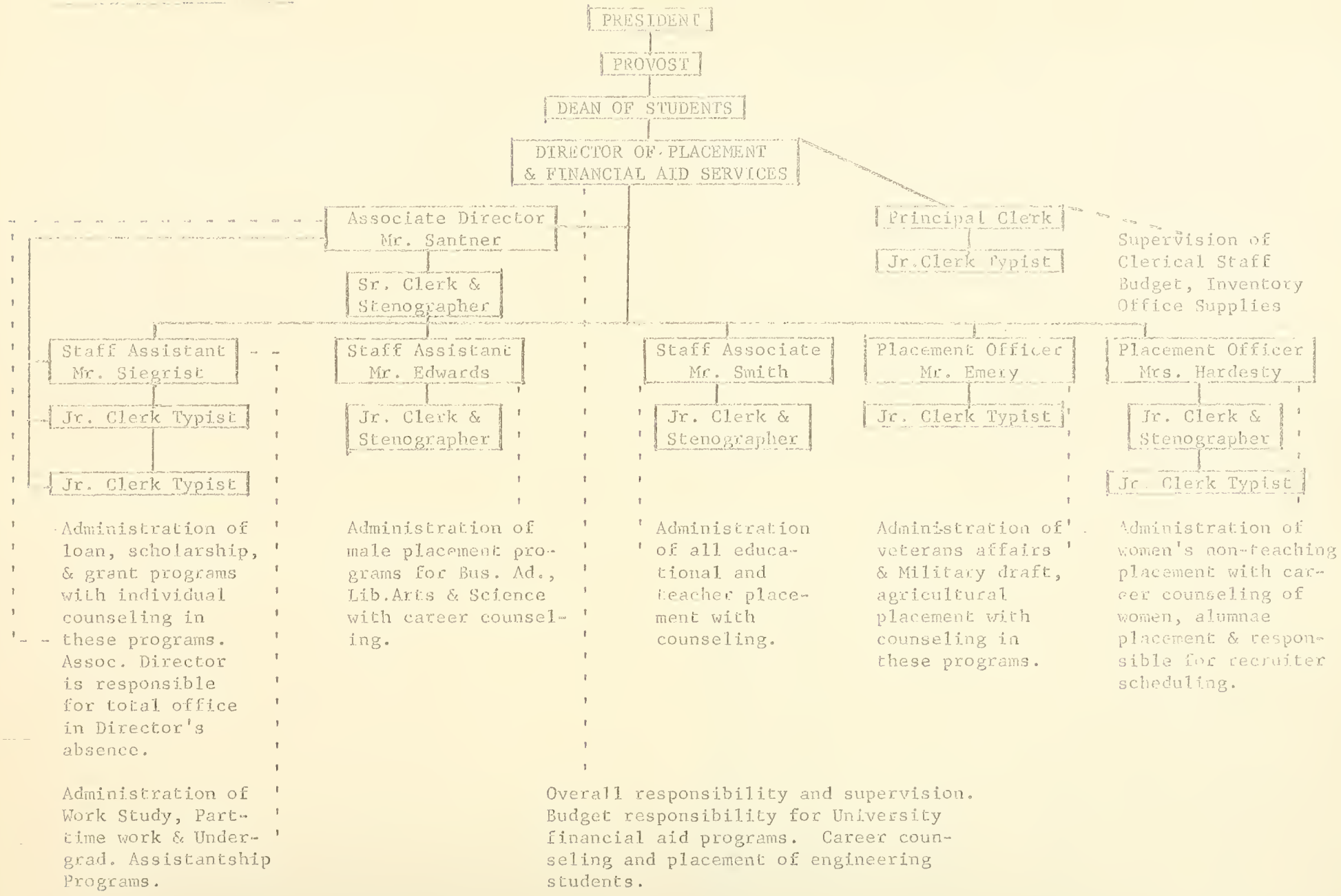
1968-69 ANNUAL REPORT OF THE PLACEMENT & FINANCIAL AID SERVICES

As per the memorandum from the Secretary of the University dated March 24, 1969, the following report of the Placement & Financial Aid Services for the period July 1, 1968 through June 30, 1969, is submitted. Supplemental data includes comments on staff, functions, and appendixes with statistics on various programs controlled through these services. Also included are statistics on the class of 1968. Information on the class of 1969 will not be available until the fall.

1. APPROPRIATION - Fiscal Year		1966-67 Actual Expenditure	1967-68 Actual Expenditure	1968-69 Allotment
Student Labor	- 03	$2,232.38	$2,013.12	$1,700
Travel	- 10	548.06	827.22	700
Printing	- 11	1,624.33	464.85	600
Repairs	- 12	484.19	389.04	425
Special Supplies	- 13	1,241.10	1,798.92	1,800
Office & Adm. Expense	- 14	3,442.38	2,939.44	2,000
Telephones	- 14-1	1,582.25	3,084.30	2,050
Equipment	- 15	404.58	new bldg. equipment	580

2. PERSONNEL - Number in each rank	Sept. 1966	Sept. 1967	Sept. 1968
Director of Placement and Financial Aid Services	1	1	1
Associate Director of Placement and Financial Aid Services	-	-	1
Assistant Director of Placement and Financial Aid Services	-	1	-
Placement Officer for Women	1	1	1
Placement Officer	1	1	1
Staff Associate	-	1	1
Staff Assistant	3	2	2
Principal Clerk	1	1	1
Senior Clerk & Stenographer	1	1	1
Junior Clerk & Stenographer	3	3	3
Junior Clerk Typist	3	3	5

2. ORGANIZATION CHART



4. STUDENTS AND CLIENTELE SERVED

A. Students - Thousands of visits to these offices were made by all categories of students - incoming freshmen, undergraduates in all schools and classes, and graduate students.

	1966-67	1967-68	1968-69
No. of seniors served and counseled re career plans and job placement	1,625 serv. 1,370 coun.	1,984 1,137	2,184 1,216
No. of seniors registered with Placement Service	1,294	1,402	1,634
No. of grad. students registered with Placement Service	323	414	387
Frosh, Soph, Jr., counseled re career plans (approx. figures)	375	400	434
Alumni served & Counseled	325	375	418
Part-time student workers (See Appendix A)	4,166 (inc.1176 Work-Study)	4,143 (inc.1079 Work-Study)	4,388
Students counseled and/or served re loans (See Appendix B)	3,032	3,705	3,558
Students served re scholarships & financial aid (See Appendix C)	7,168	8,828	11,570
Students served and/or counseled re military draft (See Appendix D)	7,000	9,401	9,465
Veterans Served (See Appendix D)	804 (85 war orphans)	921 (80 war orphans)	1,167 (83 war orph.)
TOTAL STUDENTS SERVED (Duplications)	27,482	32,711	36,421

B. (1) Clientele - Employment Recruiters

	1966-67	1967-68	1968-69
No. of representatives from industry	285	345	276
No. of representatives from schools seeking teachers	103	147	126
No. of government representatives	39	69	47
No. of non-profit or social service agency representatives	6	7	8
TOTAL EMPLOYER REPRESENT. VISITING CAMPUS	433	568	457
Interviews held on campus	4,531	5,482	5,637

B. (2) Clientele - parents, incoming freshmen, legislators, interested persons visit the office, telephone, write, wire, concerning scholarships, loans, grants, and part-time work. Industrial representatives, employers from federal, state and local governments and various agencies as well as school administrators also visit the office, phone, write, wire giving information on jobs, company policy, aid to education, and request background information on seniors and former graduates.

5. PROFESSIONAL ACTIVITIES

(1) Mr. Edwards - participated in a U.Mass. Marketing Club program, attended meeting of Placement Officers at Metropolitan Life Insurance Co., in New York; attended Springfield Careers Conference; visited Plastic Coating Corp. in South Hadley, and General Electric Company in Pittsfield, discussing career opportunities for U. Mass. graduates.

(2) Mr. Emery - arranged campus meeting of Veterans Admin. officials and graduate school administrators to obtain maximum training allowance for graduate students. Visited V.A. office in Boston to resolve problems of veterans.

(3) Mrs. Hardesty - attended placement officers and career conferences at Conn. Valley Museum in Springfield; Advertising Women of New York in New York City; U. S. General Accounting office in Boston; Retailing Conference in New York City; visited Bloomingdale's, Pan American Airways, and Union Carbide in New York discussing career opportunities for U. Mass. graduates; member of panel for Mortar Board career service project; attended Eastern College Personnel Officers Conference at Wentworth-by-the-Sea; attended New England State Universities Placement meeting at U-Conn.; entertained Placement Officers on U.Mass. campus from Conn. Valley Colleges.

(4) Mr. Morrissey - consultant for College Scholarship Service to aid colleges in financial aid administration; consultant for College Placement Services to aid Negro colleges to organize and/or upgrade their placement services; attended E.C.P.O. and New England State Universities Placement & Financial Aid Conferences; attended Placement Officers Conference at Johnson & Johnson in New Brunswick, New Jersey; gave talk to executives of American Cyanamid Company, Stamford, Conn.; visited Springfield Tech. Community College to assist financial aid program; visited Atlanta University Center twice - Atlanta, Georgia; and Le-Moyne Owens College - Memphis, Tennessee, to assist placement programs; attended C.E.E.B. & C.S.S. meetings at M.I.T., Cambridge and New York City; member of Financial Aid Regional Services Panel for U.S. Office of Higher Education - Boston; member of Mass. Board of Higher Education State Scholarship Committee; chairman of Amherst Town Personnel Board.

(5) Mr. Santner - attended New England State Universities Placement & Financial Aid Officers Conference - Storrs, Conn.; attended C.E.E.B. - C.S.S. Conference - Cambridge, Mass.; represented Univ. of Mass. at Legislators Higher Education Day in Boston; spoke to various high school and parent groups; continuing work toward advanced degree.

(6) Mr. Siegrist - attended regional meeting of U.S.Office of Education on federal financial aid programs - Westfield, Mass.; RECEIVED M.S. DEGREE JUNE 1969 at State University of New York at Albany.

(7) Mr. Smith - attended Planning Retreat with School of Ed. - Colorado Springs, Col.; attended Nat'l. ASCUS Conf. - San Francisco, Calif.; consultant to Hadley School Committee for selection of Supt. of Schools, chairman of School of Ed. Public Relations Committee; elected to faculty voting status and participated in flexible scheduling and micro-teaching workshops - School of Ed.; consultant to U.S.Dept. of H.E.W. on Delivery Systems to Model Cities Projects in Spfld., Mass. and Hartford, Conn., panelist at NEASCUS Conference - Bedford, N.H. and at Nat'l. Differentiated Staff Conf. - U.Mass.; coordinator of personnel diffusion - placement project - School of Ed.; delivered paper "The New England Teacher, A Regional Profile" to N.E.Regional Commission - Providence, R.I.; supervised interns in student teaching for School of Ed.; conducted recruiting workshops in Worcester, Northampton, West Spfld., Acton, Bedford, Concord, Framingham, Harvard, Maynard, Stow, Sudbury, Bolton, Carlisle; speaker to admin. staffs at Northampton, Worcester, West Spfld. public schools; completed comprehensive examination for doctorate Feb. 1969.

6. MAJOR ACCOMPLISHMENTS

A. Planned and carried out more person to person contact to develop closer working relationships between academic departments and placement.

B. Developed more efficient handling of placement credentials by designating one person as "credential clerk".

C. Set up new filing system for graduate school catalogs.

D. Reorganized employer literature storeroom resulting in easier access to materials.

E. Devised system for finding best applicants to receive Educational Opportunity Grants.

F. Re-surveyed telephone system having one girl answer all calls to the department, saving time for all.

G. Had academic departments name faculty placement liaison person for contact in placement matters.

7. SPECIAL PROJECTS

A. With assistance of State Deputy Director of Selective Service produced a brochure entitled "Facts on Selective Service and the Student".

B. Published a brochure entitled "Information About Placement Services".

C. Devised new questionnaire to determine final senior plans using mark sensitized forms for computerized results with cooperation of Counseling and Guidance office.

D. Prepared budget estimate breakdowns for U.Mass.-Amherst and Boston in all categories of financial aid funds - federal and state.

E. Revised brochures "Information for Employment Recruiters" and "How Many Teachers Will You Need in 1969?".

F. Coordinated efforts for special Dow Chemical Company and Olin Mathieson Corp. executive visits to talk to students in assembly meetings.

G. Coordinated efforts with CCEBS group in financial aid matters.

H. Again initiated many new off-campus projects for Work-Study summer jobs for our students.

8. FUTURE PLANS AND NEEDS

A. We need to computerize more of our financial aid work to enable us to obtain statistics more readily and to keep control of our budget in a more efficient manner. We are currently working with system analysts toward this end.

B. We should upgrade several of our clerical positions (i.e. Jr. Clerk - Typist - hardly describes the work of many of our clerks).

C. We need an additional professional person to be responsible for men's engineering counseling and placement which is currently handled by the Director whose administrative responsibilities do not allow for proper attention to this important segment of placement.

D. We need an additional professional person to handle graduate student and alumni placement particularly in the area of educational and teacher placement.

E. We are in need of two new dictating and transcribing units.

F. We need funds in our budget to cover reading materials for our library since the University Library will no longer make purchases for us. Also, more brochure holders are needed for our library shelves.

G. Although we have had a better travel allowance this past year we still cannot meet all our needs in this regard.

H. We are sorely in need of file cabinets for storage of records.

STUDENT PART-TIME EMPLOYMENT

	Women Working	Men Working	Total Students Working	Total Earnings
1966-67	1,487	1,582	3,069	$ 753,912
1967-68	1,936	2,207	4,143	1,098,040
1968-69	1,736	2,652	4,388 (to June 1)	1,836,645 (to June 1)

$546,922 was earned by students from state funds through May
$356,180 was earned by students under Work-Study Program through May
$933,543 was earned by students from all other trust funds through May

July 1, 1968 to May 31, 1969 (includes Work-Study)

	1969	1970	1971	1972	Stockbridge and Special	Grad. Student	Total
No. employed from each class	959	1,354	1,047	520	81	427	4,388

Total earnings in each class (inc. part-time 03 and trust funds, grants and Work-Study Funds)

'69 - $395,031; '70 - $427,519; '71 - $235,092; '72 - $76,941
Stockbridge & Special - $19,540; Grad. Students - $682,522
Total - $1,836,645

Earnings	No. of Students	Percent Working
Percent and No. of students who earned over $600	526	12%
Percent and No. of students who earned over $500 but less than $600	87	2%
Percent and No. of students who earned over $400 but less than $500	137	3%
Percent and No. of students who earned over $300 but less than $400	307	7%
Percent and No. of students who earned over $200 but less than $300	833	19%
Percent and No. of students who earned over $100 but less than $200	877	20%
Percent and No. of students who earned less than $100	1,627	37%

Percent of total student body who had part-time employment = 28%

COLLEGE WORK-STUDY PROGRAM
UNDER HIGHER EDUCATION ACT OF 1965

	Tot.No.stu.working (Amherst campus)	Total Earnings (Amherst)	Tot.No.stu.working (Boston campus)	Total Earnings (Boston)
1966-67	1,176	$278,733	127	$104,436
1967-68	913	320,292	166	97,315
1968-69	1,178	232,645	359	123,535

	No.stu.working off campus (Amherst)	Total Earnings stu.off campus (Amherst)	No.stu.working off campus (Boston)	Total Earnings stu.off campus (Boston)
Summer 1968	241	$131,344	37	$31,277

	No.stu.working on campus (Amherst)	Total Earnings stu. on campus (Amherst)	No.stu.working on campus (Boston)	Total Earnings stu. on campus (Boston)
1968-69	937	$101,301	322	$92,258

Breakdown of student assignments follows (assigned by need and qualifications):

Department	No. of Students	Department	No. of Students
Area Coordinators' Off.	18	Management	1
Art	12	Marketing	3
Assoc.Dean of Students	14	Mass. Review	4
Athletics	10	Mech. & Aero. Engin.	4
Bio. Chem.	2	Mech. Engin.	4
Botany	35	Microbiology	8
Central Mailing	11	Nutrition & Food	3
Chemistry	4	Off. Institu. Studies	1
Chemical Engineer.	1	Photo Center	7
Child Development	2	Physical Education	12
Civil Engineering	4	Physical Plant	2
Comp. Literature	1	Physics	6
Counseling	1	Placement & Fin. Aid	16
Dean of Men	7	Plant Pathology	1
Dean of Women	5	Property Office	9
Dining Commons	43	Public Health	3
Economics	1	Psychology	27
Electrical Engineer.	3	R.S.O.	41
English	11	Registrar's Office	7
Food Science & Tech.	3	Research Computer Center	41
Forestry & Wildlife	13	Romance Languages	6
4-H	1	School of Education	19
Geography	4	School of Nursing	8
Geology	6	Security	257
Government	1	Socio. & Anthro.	40
Graduate School	8	Southwest Master's Off.	14
History	1	Speech	17
Home Ec. Ed. Dept.	5	Student Affairs	4
Housing	10	Student Info. Phone Serv.	13
Human Development	2	Student Union	15
Industrial Engineering	1	University Press	2
Infirmary	2	Vet. & Animal Science	1
Intramurals Office	4	WFCR Radio	10
Labor Relations	1	Wood Science & Tech.	2
Landscape Arch.	9	Zoology	8
Library	64		

LOANS

	1966-67	1967-68	1968-69
A. University Loans - Short Term			
Number Granted	311	264	281
Total Amount	$ 42,555.00	$ 39,517.00	$ 39,078.00
Average Amount Granted	$ 137.00	$ 150.00	$ 139.00
B. University Loans - Long Term - Mass. Assembly			
Number Granted	79	34	2
Total Amount	$ 21,630.00	$ 12,587.00	$ 900.00
C National Defense Education Act Loans			
Number Granted	1,075	1,353	873
Total Amount	$506,546.00	$416,103.00	$339,292.00
Average Amount Granted	$ 470.74	$ 308.00	$ 388.00
D. Graduate & Foreign Student Loans (Graduate Students also receive NDEA Loans)			
Number Granted	88	80	66
Total Amount	$ 7,945.00	$ 6,465.00	$ 6,124.00
E. Nursing Student Loans			
Number Granted	50	36	43
Total Amount	$ 18,700.00	$ 15,025.00	$ 16,462.00
F. Massachusetts Higher Education Loans (HELP Loans through commercial banks after appropriate clearance through Placement & Financial Aid Office)			
Number Granted	1,429	1,938	2,293
Total Amount	$1,146,242.00	$1,700,585.00	$2,076,899.00
Average Amount Granted	$ 802.00	$ 877.00	$ 905.00
TOTAL NUMBER OF ALL LOANS	3,032	3,705	3,556
TOTAL AMOUNT OF ALL LOANS	$1,743,618.00	$2,150,915.00	$2,480,755.00

SCHOLARSHIPS, GRANTS-IN-AID, AND UNDERGRADUATE ASSISTANTSHIPS

	1966-67	1967-68	1968-69
A. Entering Freshmen			
No. of entering freshmen applying	3,860	4,970	7,000
No. granted to freshmen	274	373	264
Total amount in Scholarships	$132,276.00	$135,514.00	$146,467.00
Total amount in Grants-In-Aid	$3,861.50	$8,398.00	$10,695.00
B. Upperclass			
No. of applicants for Scholarships and Grants-In-Aid	3,224	3,850	4,570
No. of awards made in amounts ranging from $50 to $1,300	636	1,272	868
Total amount in Scholarships	$215,372.00	$363,350.00	$309,775.00
Total amount in University Grants	$7,526.00	$9,076.00	$22,707.00
No. of Undergraduate Assistantships	192	168	192
Total amount in Undergrad. Assist.	$91,750.00	$100,200.00	$109,800.00
C. University Endow., Trust & Misc. Scholar. (179 awards)	$60,000.00	$62,480.00	$62,137.00
D. Summer Scholarships			
No. of awards	84	84	139
Amount of awards	$12,300.00	$15,010.00	$19,762.00
E. Total No. of applicants for Scholarships	7,168	8,828	11,570
F. Total amount of scholarships, grants-in-aid and undergraduate assistantships	$463,086.00	$694,028.00	$691,343.00
G. Outside Scholarships			
No. of students receiving outside scholarships of which we are aware	2,203	1,546	2,527
Total amount of outside scholarships of which we are aware	$482,446.00	$481,629.00	$593,694.[illegible]

8 Graduate Students received	11	Outside scholarships-amount			$ [illegible]
62 Boston Students received	69	"	"	"	$ 13,321.00
202 Students in Class of 1969	244	"	"	"	$ 60,603.00
255 " " " " 1970	330	"	"	"	$ 83,014.00
267 " " " " 1971	299	"	"	"	$ 68,727.00
1066 " " " " 1972	1574	"	"	"	$367,674.00

EDUCATIONAL OPPORTUNITY GRANTS

	1967-68	1968-69
Number of awards	718	619
Total amount of awards	$336,400	$321,062

NURSING EDUCATIONAL OPPORTUNITY GRANTS

	1967-68	1968-69
Number of awards	38	20
Total amount of awards	$12,288	$8,350

VETERANS

Total Veterans Enrolled	1966-67	1967-68	1968-69
Veterans enrolled under Public Law 894 (disabled Veterans)	4	10	17
No. of students enrolled under Public Law 634 (War Orphans)	77	80	83
No. of students enrolled under Public Law 358 (G.I. Bill)	667	601	724
No. of students enrolled under Public Law 674 (Pension)	56	231	343
TOTALS	804	922	1,167

MILITARY DRAFT CERTIFICATION

Numbers of students for whom verification of status was processed for Local Selective Service Boards.

1966-67	1967-68	1968-69
7,028	9,401	9,465

Numbers of students registered for the draft here.

1966-67	1967-68	1968-69
250	272	282

WHAT MAJORS WERE EMPLOYERS SEEKING?

1967-1968	1968-1969	
89	101	Organizations came to UMASS looking for Accounting Majors
128	173	Organizations came to UMASS looking for Business Majors
35	44	Organizations came to UMASS looking for Economics Majors
261	245	Organizations came to UMASS looking for Engineering Majors
13	15	Organizations came to UMASS looking for Food Technology Majors
6	6	Organizations came to UMASS looking for Home Economics Majors
6	8	Organizations came to UMASS looking for Hotel Management Majors
95	118	Organizations came to UMASS looking for Liberal Arts Majors
152	144	Organizations came to UMASS looking for Math & Science Majors
147	126	School Systems came to UMASS looking for Teacher Candidates
34	23	Organizations came to UMASS looking for All Majors

CANCELLATION STATISTICS

The Placement Office arranged recruiting dates for 663 organizations due to the overlapping of types of majors sought. 87 of them cancelled for various reasons:

1. 28 school systems cancelled a scheduled recruitment date.
2. 5 governmental agencies cancelled a scheduled recruitment date.
3. 54 business organizations cancelled a scheduled recruitment date.

UMASS PLACEMENT SEASON BY EMPLOYER
November 18, 1968 - March 20, 1969

1 TYPE OF EMPLOYER	2 NUMBER OF ORGANIZATIONS COMING ON CAMPUS		3 % OF TOTAL ORGANIZATIONS		4 NUMBER OF INTERVIEWS WITH THIS TYPE OF EMPLOYER		5 % OF TOTAL INTERVIEWS		6 NUMBER OF DIFFERENT STUDENTS INTERVIEWING WITH THIS TYPE OF EMPLOYER		7 AVERAGE NUMBER OF INTERVIEWS TAKEN WITH THIS TYPE OF EMPLOYER (Col.4/Col.6)		8 AVERAGE NUMBER OF INTERVIEWS EACH TYPE OF EMPLOYER HAD ON-CAMPUS (Col.4/Col.2)	
	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969
SCHOOL SYSTEM	132	126	24%	24%	1101	1206	20%	21%	341	351	3.2	3.4	8.4	9.5
	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969
GOVERNMENT	69	47	13%	11%	339	435	8%	8%	225	290	Mean 1.6	1.5	4.9	9.3
	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969
BUSINESS & INDUSTRY	345	276	63%	65%	4042	3996	75%	71%	777	752	Mean 5.2	5.3	8.6	14.5
	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969
TOTAL	546	454	100%	100%	5482	5637	100%	100%	1343	*1393			10.6	11.1

* This total is greater than the total number of different students taking interviews because of the number of students taking interviews with more than one type of employer.

UMASS INTERVIEWS BY SCHOOL

November 18, 1968 - March 20, 1969

1 SCHOOL	2 NUMBER ENROLLED		3 NUMBER REGISTERED		4 PERCENT REGISTERED		5 NUMBER OF STUDENTS TAKING INTERVIEWS		6 PERCENT OF THESE REGISTERED TAKING INTERVIEWS (Col. 5/Col. 3)		7 PERCENT OF ENROLLED TAKING INTERVIEWS (Col. 5/Col. 2)	
	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969
COLLEGE OF ARTS & SCI.	1284	1574	566	655	44%	42%	343	220	60%	34%	27%	14%
COLLEGE OF AGRICULTURE	160	162	60	61	38%	38%	19	13	32%	21%	12%	8%
SCHOOL OF BUSINESS ADM.	269	329	162	222	60%	67%	65	93	40%	53%	25%	22%
SCHOOL OF EDUCATION	246	273	225	221	91%	81%	70	83	31%	38%	28%	30%
SCHOOL OF ENGINEERING	227	229	160	157	70%	69%	100	114	63%	73%	44%	55%
SCHOOL OF HOME ECONOMICS	96	100	55	78	57%	78%	11	24	20%	31%	11%	24%
SCHOOL OF NURSING	74	83	24	32	32%	38%	3	4	13%	13%	4%	5%
SCHOOL OF PHYSICAL EDUC.	90	80	42	54	47%	68%	17	24	40%	44%	19%	30%

REPORT ON THE CLASS OF 1968

The following information relates to the after graduation plans of 2,215 members of the Class of 1968. Our information is tabulated from student questionnaires, information gained from departments, and from employers.

Thirteen percent, or 276 students went on to further studies. Of these, 12 entered Dental School, 25 entered Law School, 15 entered Medical School, and 2 entered Theological Seminaries.

Other facts to be noted include: 16 entered the Peace Corps; 6 entered the VISTA program; 65 received assistantships or fellowships ranging in amounts from $850 to $4,500. Fifty-four percent of the employed graduates are working in Massachusetts, 11% in Connecticut, 11% in New York State, with the remainder in 24 other states and overseas.

In the College of Agriculture, 12% (18 out of 147) went on to graduate school.

In the College of Arts and Sciences, 16% (195 out of 1,251) went on to graduate school and 8% (96 out of 1,251) accepted teaching positions.

In the School of Business Administration, 8% (17 out of 226) continued their education.

In the School of Education, 51% (106 out of 206) accepted teaching positions.

In the School of Engineering, 14% (22 out of 160) went on to further study, with 50% (80 out of 160) accepting engineering jobs.

In the School of Home Economics, 13% (11 out of 88) went into teaching and 32% (28 out of 88) went into home economist work.

In the School of Nursing, 21 out of 37 have gone into staff nursing.

In the School of Physical Education, 42% (32 out of 76) went into teaching and coaching while 11 went on to further study.

NOTE: The Placement & Financial Aid office is indebted to Miss Julie Cunningham, Class of 1970, who completed this study as a part of her undergraduate assistantship.

CLASS OF 1968

		Further Study	Non-Teaching Jobs	Teaching	Military Service	Housewife, No Other Plans	Plans Pending Or Seeking Jobs	Unknown
College of Agriculture								
Male Grads	140	15	29	2	41	0	9	44
Female Grads	7	3	3	0	0	1	0	0
Total	147	18 (12%)	32 (21%)	2 (1%)	41 (28%)	1 (1%)	9 (6%)	44 (31%)
College of Arts and Sciences								
Male Grads	603	121	84	18	72	0	4	304
Female Grads	648	74	126	78	2	11	72	285
Total	1,251	195 (16%)	210 (17%)	96 (8%)	74 (6%)	11 (1%)	76 (6%)	589 (46%)
School of Business Administration								
Male Grads	212	17	58	0	40	0	3	94
Female Grads	14	0	7	0	0	0	0	7
Total	226	17 (8%)	65 (29%)	0 (0%)	40 (18%)	0 (0%)	3 (1%)	101 (44%)
School of Education								
Male Grads	9	3	0	5	0	0	0	1
Female Grads	197	6	7	101	0	0	0	83
Total	206	9 (4%)	7 (3 %)	106 (51%)	0 (0%)	0 (0%)	0 (0%)	84 (41%)
School of Engineering								
Male Grads	157	22	78	0	19	0	3	35
Female Grads	3	0	2	0	0	0	0	1
Total	160	22 (14%)	80 (50%)	0 (0%)	19 (12%)	0 (0%)	3 (2%	36 (22%)
School of Home Economics								
Male Grads	0	0	0	0	0	0	0	0
Female Grads	88	4	28	11	0	1	6	38
Total	88	4 (4%)	28 (32%)	11 (13%)	0 (0%)	1 (1%)	6 (7%	38 (43%)

		Further Study	Non-Teaching Jobs	Teaching	Military Service	Housewife, No Other Plans	Plans Pending Or Seeking Jobs	Unknown
School of Nursing								
Male Grads	0	0	0	0	0	0	0	0
Female Grads	37	0	21	0	6	0	0	10
Total	37	0 (0%)	21 (57%)	0 (0%)	6 (16%)	0 (0%)	0 (0%)	10 (27%)
School of Physical Education								
Male Grads	40	7	3	7	5	0	1	17
Female Grads	36	4	3	25	0	1	0	3
Total	76	11 (14%)	6 (8%)	32 (42%)	5 (7%)	1 (1%)	1 (1%)	20 (27%)
School of Public Health								
Male Grads	3	0	2	0	0	0	0	1
Female Grads	21	0	9	0	0	0	0	12
Total	24	0 (0%)	11 (46%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	13 (54%)
TOTALS								
Male Grads	1,164	185	254	32	177	0	20	496
Female Grads	1,051	91	206	215	8	14	78	439
Total	2,215	276 (13%)	460 (20%)	247 (11%)	185 (8%)	14 (1%)	98 (5%)	935 (42%)
GRAND TOTALS								
Graduates	2,215	276 (13%)	460 (20%)	247 (11%)	185 (8%)	14 (1%)	98 (5%)	935 (42%)

Professional Schools: Dental - 12; Law - 25; Medical - 15; Theological - 2. Peace Corps - 16; V.I.S.T.A. 6

FELLOWSHIPS AND ASSISTANTSHIPS

NAME	MAJOR	GRANTS	INSTITUTION	AMOUNT
Allen, Jon E.	Civil Engineering	Teaching Fellowship	Univ. of Massachusetts	
Anderberg, Gary N.	Pre-Dental	Assistantship Teaching Fellowship	Univ. of Pennsylvania	$1,600 850
Anderson, Susan C.	Sociology	Fellowship	Cornell University	tuition and fees + $2,500
Atherton, Esther W.	English	Fellowship	Univ. of Massachusetts	$2,000
Bagnall, Norene A.	English	Assistantship	Univ. of Minnesota	
Bender, Gerald E.	Physics	Fellowship	Univ. of Virginia	
Bizios, Rena	Chemical Engineering	Assistantship	California Institute of Technology	
Boerner, Paul A.	Pre-Medical	Teaching Fellowship	Univ. of Rochester	2,400
Bogert, Taveta K	Anthropology	Assistantship	Univ. of Massachusetts	
Bucci, Sharon A.	Economics	Assistantship	Univ. of Massachusetts	
Burrell, Steven A.	Government	Fellowship	Harvard University	4,500
Campbell, Kerry J.	Geology	Assistantship	Univ. of Massachusetts	
Chang, Peter W.	Chemical Engineering	Fellowship	Cornell University	
Chmura, Louis J.	Mathematics	Assistantship	Univ. of Maryland	
Crawford, Duncan P.	Physics	Teaching Fellowship	Case Western Reserve	
Daley, Michael L.	Electrical Engineering	Assistantship	Univ. of Rochester	
Delabanty, Donna L.	Animal Science	Assistantship	Univ. of Massachusetts	
Demski, Claudia J.	Speech	Assistantship	Univ. of Minnesota	

NAME	MAJOR	GRANTS	INSTITUTION	AMOUNT
Dikan, Peter N.	Chemical Engineering	Teaching Fellowship	Renselaer Polytechnic Institute	
Dorner, Susan E.	History	Assistantship	Simmons College	$1,200
Dynan, John L.	Chemical Engineering	Assistantship	Univ. of Buffalo	
Ebacher, Elizabeth V.	Physical Education	Assistantship	Univ. of Massachusetts	2,575
Erickson, Wayne F.	Chemistry	Teaching Fellowship	Pennsylvania State University	
Farrell, Victoria S.	Economics	Assistantship	Univ. of Wisconsin	3,000
Fleischer, Helen E.	History	Assistantship	Kent State University	3,500
Garnett, John V.	Mathematics	Assistantship	Univ. of Minnesota	
Gigliotti, Carol A.	Zoology	Assistantship	Univ. of Oregon	2,400
Golashesky, Karen A.	Home Economics	Teaching Assistantship	Cornell University	3,000
Goren, Alan C.	Pre-Medical	Teaching Fellowship	Case Western Reserve	
Grace, Donald F.	History	Fellowship	Univ. of Virginia	
Grudis, Paul J.	English	Fellowship	Univ. of Maine	2,300
Gumei, Elaine J.	Psychology	Assistantship	State University of New York	
Halsey, Susan D.	Geology	Assistatnship	Duke University	3,200
Hanson, David B.	Civil Engineering	FWPCA Assistantship	Univ. of Massachusetts	
Hoare, Janice E.	German	NDEA Fellowship	Univ. of Massachusetts	2,000
Hohenberger, H. Kenneth	Chemistry	Teaching Fellowship	Univ. of Illinois	
Horvitz, James M.	Psychology	Assistantship	Univ. of Wisconsin	

Kibbe, Elaine C.	English	Assistantship	Radford College	$2,400
Kittredge, Frank H.	Astronomy	Assistantship	Univ. of Waterloo	
Kriger, Mark P.	Philosophy	NDEA Fellowship	M. I. T.	
Laird, Janet L.	History	Fellowship	Northeastern University	2,400 + tuition
Loumos, Gregory L.	Mathematics	Assistantship	Univ. of Texas, Austin	
Manning, Joan E.	Education	Assistantship	Syracuse University	2,800
Merriam, Dwight H.	Sociology	Assistantship	Univ. of North Carolina	
Metzler, Michael H.	Pre-Medical	Teaching Fellowship	Johns Hopkins School of Medicine	
Misiaszek, Richard T.	Civil Engineering	Assistantship	Univ. of Massachusetts	
Neiner, Randi A.	Physical Education	Teaching Assistantship	Univ. of California, Berkeley	
Neufeld, Elizabeth S.	Speech	Fellowship	Northwestern University	2,400
Noone, Patrick J.	Electrical Engineering	Assistantship	Univ. of Massachusetts	
Nowak, Robert S.	Mechanical Engineering	Teaching Fellowship	Univ. of Massachusetts	
Ravinski, Linda S.	Microbiology	Assistantship	Univ. of California, Los Angeles	3,000
Ritzi, Earl M.	Zoology	Teaching Fellowship	Princeton University	
Rodwell, John D.	Pre Dental	Assistantship	Lowell Technological Institute	
Rose, Dorene L.	Zoology	Assistantship	Univ. of Wisconsin	3,375 + tuition
Rozzi, Louise M.	Physical Education	Fellowship	Univ. of North Carolina	900

NAME	MAJOR	GRANTS	INSTITUTION	A
Smith, Carolyn G.	English	NDEA Fellowship	State University of New York	$
Smith, Margaret W.	History	Fellowship	Indiana University	
Swift, Terry L.	English	Assistantship	Univ. of New Hampshire	
Varoutsos, Mary A.	English	Fellowship	Univ. of Albany N. Y.	
Virga, Patricia H.	Music	Fellowship	Syracuse University	
Vrijenhoek, Robert C.	Zoology	Teaching Fellowship	Univ. of Connecticut	
Ward, Joseph E.	Civil Engineering	Teaching Fellowship	Manhattan College	
Wish, Eric D.	Psychology	Fellowship	Kansas State University	
Woo, David L.	Civil Engineering	Assistantship	Renselaer Polytechnic Institute	
Zaiko, Edward J.	Chemistry	Fellowship	Univ. of New Hampshire	

LOCATION OF NON-TEACHING EMPLOYMENT BY STATES

STATE	WOMEN	MEN	STATE	WOMEN	MEN
California	1	4	New York	27	30
Connecticut	23	22	North Carolina	1	1
Delaware	0	4	Ohio	1	3
Florida	2	2	Pennsylvania	0	7
Illinois	1	1	Rhode Island	2	6
Louisiana	0	1	Vermont	0	1
Maryland	10	8	Virginia	2	2
Massachusetts	95	107	Washington	2	2
Michigan	0	3	Washington D.C.	1	2
Minnesota	0	1	West Virginia	0	2
New Hampshire	4	2	Wisconsin	0	1
New Jersey	3	11	Foreign (including Peace Corps)		
New Mexico	0	3		4	13
			V.I.S.T.A.	2	4

LOCATION OF TEACHING EMPLOYMENT BY STATES

STATE	WOMEN	MEN	STATE	WOMEN	MEN
California	9	0	New York	9	3
Colorado	1	0	North Carolina	1	0
Connecticut	25	0	Pennsylvania	2	0
Florida	0	1	Rhode Island	2	0
Maryland	1	0	Tennessee	1	0
Massachusetts	125	22	Texas	1	0
New Hampshire	4	1	Virginia	1	0
New Jersey	8	0			

TOTAL LOCATION OF EMPLOYMENT BY STATES

STATE	WOMEN	MEN	STATE	WOMEN	MEN
California	10	4	North Carolina	2	1
Colorado	1	0	Ohio	1	3
Connecticut	48	22	Pennsylvania	2	7
Delaware	0	4	Rhode Island	4	6
Florida	2	3	Tennessee	1	0
Illinois	1	1	Texas	1	0
Louisiana	0	1	Vermont	0	1
Maryland	11	8	Virginia	3	2
Massachusetts	220	129	Washington	2	2
Michigan	0	3	Washington D.C.	1	2
Minnesota	0	1	West Virginia	0	2
New Hampshire	8	3	Wisconsin	0	1
New Jersey	11	11	Foreign (including Peace Corps)		
New Mexico	0	3		4	13
New York	36	33	V.I.S.T.A.	2	4

PEACE CORPS

Men

Davis, Edward C. - Economics

Dobson, James J. - English

Donovan, Thomas W. - English

Eber, Richard B. - Spanish

Fantegrossi, Alfred P. - Zoology

Garlo, Albert S. - Forestry

Nicholas, Robert F. - Mathematics

Nolan, Daniel J. Jr. - Forestry

Ripaldi, Carl P. - Botany

Stevens, Richard A. - Physical Education

Thomson, James W. - Agriculture and Food Economics

Tilley, William S. - Zoology

Weaver, Ronald R. - Zoology

Women

Freeman, Elizabeth A. - Mathematics

Southwick, Laura J. - Botany

Zink, Diane E. - French

V.I.S.T.A.

Men

Davis, Allen J. - History

Dempsey, John P. - History

Pacheco, Paul T. - English

Prusky, Michael - Government

Women

Blanchard, Lynda A. - English

Buechner, Patricia A. - Art

TYPES OF POSITIONS BY MAJORS

School of Agriculture

Agriculture and Food Economics

Adjuster	

Animal Science

Dairy Farmer	
Research Assistant	
Teacher	

Food Technology

Food Technologist	

Forestry

Assistant Production Manager	
Forester	
Health Survey Consultant	
Surveyor	
Wood Technologist	

Park Administration

Assistant Golf Course Superintendent	
Engineer's Assistant	

Plant and Soil Science

Farm Foreman	

Wildlife

Animal Rescue League Educator	$280/month
Biologist	

College of Arts and Sciences and of Business Administration

Accounting

Accountant	$542/month to $725/month
Auditor	$700/month to $725/month

Art

Art Teacher	$488/month to $537/month
Claims Representative	$464/month
Tax Technician	$561/month

Botany

High School Teacher	

Chemistry

Analytical Chemist	$700/month
Associate Engineer	$722/month
Chemist	$690/month to $775/month
Program Trainee	$673/month
Research Chemist	$715/month to $800/month
Sales Trainee	$700/month
Teacher	$500/month to $545/month

Economics

Economist	$561/month
High School Teacher	$530/month
Research Assistant	$600/month

English

Assistant TV Advertising Traffic Director	$430/month
Camera Shop Trainee	$360/month
Claims Adjuster	
Contract Certificate Drafter	$600/month
Executive Trainee	
Junior Underwriter	$500/month to $541/month
Manufacturer's Representative	
Market Researcher	
Programmer	$650/month
Research Analyst	$560/month
Secretary	
Social Worker	$520/month to $600/month
Stewardess	$440/month
Teacher	
Junior High	$500/month to $550/month
High School	$467/month to $541/month
Technical Writer	$520/month to $650/month
Travel Agent	

General Business/Finance

Analyst	$708/month to $733/month
Assistant Manager	$600/month
Bank Examiner	$636/month
Cost Accountant	$670/month
Electric Component Buyer	$650/month
Finance Management Trainee	$683/month
IBM Sales Trainee	$625/month
Registered Representative	$625/month
Sales Representative	$700/month

Geology

Grade Control Engineer	$650/month

Government

Apartment Manager	
Claims Adjuster	$600/month
Claims Representative Trainee	$479/month
Computer Programmer	$625/month
Insurance Agent	$650/month
Intelligence Analyst	$600/month
Management Trainee	
News Correspondent	$600/month
Personnel Manager Trainee	$650/month
Recreation Leader	
Research Analyst	$575/month
Secretary	$390/month

	Security Analyst	$583/month
	Teacher	
	Junior High	
	High School	$500/month
	Underwriter	$540/month
History		
	Analyst	$542/month
	Case Worker	$558/month
	Computer Programmer	
	Management Trainee	$483/month
	Office Clerk	
	Planning Aide	$348/month to $380/month
	Purchaser	$596/month
	Reporter Trainee	$455/month
	Salesgirl	$256/month
	Secretary	$580/month
	Social Insurance Rep.	$583/month
	Social Worker	$538/month
	Teacher	
	Junior High	$508/month to $533/month
	High School	$470/month to $525/month
Journalism		
	Advertising Trainee	$320/month
	Analyst	$582/month
	Proofreader	$380/month
	Research Typist	$360/month
	Underwriter Trainee	$541/month
Languages		
	Airline Hostess	
	Computer Programmer	$583/month
	Security Analyst	$561/month
	Systems Engineer	$675/month
	Teacher	
	Junior High	$548/month
	High School	$500/month to $517/month
Management		
	Claims Adjuster	$625/month
	Computer Programmer	$561/month
	Field Engineer	
Marketing		
	Executive Trainee	
	Management Trainee	$540/month
	Sales Trainee	$646/month
	Service Representative	$438/month
Mathematics		
	Actuarial Trainee	
	Associate Engineer	$698/month
	Computer Programmer	$558/month
	Design Engineer	$750/month

	Engineer	$690/month
	Mathematician	$620/month to $637/month
	Stewardess	$425/month
	Systems Analyst	$640/month
	Teacher	
	Junior High	$472/month to $542/month
	High School	$458/month to $500/month
Microbiology		
	Chemotherapist	$565/month
	Research Assistant	
	Staff Bacteriologist	$675/month
Music		
	Teacher	$500/month to $567/month
Philosophy		
	Production Foreman	$560/month
	Teacher	
	High School	$500/month
Physics		
	Physicist	$725/month
Pre-Dental		
	Computer Programmer	$580/month
Pre-Medical		
	Teacher	
	High School	
Psychology		
	Assistant Psychiatric Social Worker	$404/month
	Business Reporter	$548/month
	Case Worker	$517/month
	Guidance Counselor	$360/month
	Library Assistant	$312/month
	Procurement Trainee	$475/month
	Social Worker	$488/month to $517/month
Sociology		
	Benefit Examiner	$464/month
	Case Worker	$517/month
	Commercial Underwriter	$600/month
	Computer Programmer	$600/month
	Executive Trainee	
	Missionary	
	Patient Service Coordinator	$542/month
	Programming Trainee	$640/month
	Psychiatric Social Worker	$530/month
	Research Correspondent	$433/month
	Secretary	$420/month
	Security Analyst	$582/month
	Social Insurance Rep.	$464/month
	Social Worker	$495/month

Speech

Radio Announcer	$400/month
Speech Therapist	$554/month
Teacher	$488/month

Zoology

Lab Technician	$450/month
Methods Engineer	$600/month
Research Assistant	$425/month to $500/month
Teacher	
Elementary	$500/month
Junior High	$492/month
High School	$508/month to $517/month

School of Education

Airlines Reservation Agent	
Editorial Assistant	$368/month
Service Advisor	$546/month
Stewardess	
Elementary School Teacher	
Kindergarten	$525/month
Grade 1	$479/month
Grade 2	$491/month to $500/month
Grade 3	$500/month to $541/month
Grade 4	$479/month to $500/month
Grade 5	$500/month to $517/month
Grade 6	$500/month to $519/month

School of Physical Education

Physical Education

Athletic Trainer	
Teacher	
Elementary	$500/month to $534/month
High School	$500/month to $700/month
Junior College	$524/month

Recreation

Community Center Assistant Director	
Elementary Physical Education Teacher	$492/month
Field Director	
Girls' Club Program Ass't.	$500/month
Recreation Supervisor	$509/month

School of Engineering

Chemical Engineering

Chemical Engineer	$730/month to $770/month
Engineering Service Specialist	$750/month
Field Engineer	$750/month
Process Engineer	$800/month
Production Engineer	$777/month to $780/month

Civil Engineering

Civil Engineer	$730/month
Design Engineer	$740/month
Naval Architect	$750/month
Naval Facilities Engineer	$760/month
Sales Engineer	$700/month
Sanitary Engineer	$718/month

Electrical Engineering

Biomedical Engineer	$750/month
Circuit Design Engineer	$800/month
Computer Systems Analyst	$800/month
Controls Systems Engineer	$800/month
Development Engineer	$783/month
Electrical Engineer	$750/month to $800/month
Field Service Representative	$750/month to $760/month
Program Engineer	$775/month to $800/month
Quality Control Engineer	
Specifications Engineer	
Switching Systems Engineer	$742/month
Systems Analyst	$735/month to $830/month
Training Engineer	$750/month

Industrial Engineering

Design Engineer	$720/month
Manufacturing Manager	$720/month
Systems Analyst	$825/month

Mechanical Engineering

Associate Engineer	
Computer Application Engineer	$750/month
Design Engineer	$780/month
Engineer	$875/month
Engineer Trainee	$720/month
Nuclear Engineer	$760/month
Performance Engineer	$740/month
Process and Product Engineer	$819/month

School of Home Economics

Airlines Reservation Trainee	$440/month
Artist	$583/month
Buyer	$433/month to $475/month
Dietetic Intern	$440/month to $467/month
Division Manager	$354/month
Executive Trainee	$475/month to $560/month
Home Economist in Textile Engineering	$464/month
Interior Decorator	$367/month
Management Trainee	$300/month to $520/month
Nursery School Teacher	$440/month
Sales Clerk	$280/month

Social Worker	$423/month
Stewardess	$492/month
Teacher	
Junior High	$500/month
High School	$500/month to $567/month

School of Nursing

Army Nurse	$500/month
Navy Nurse Corps	$450/month to $540/month
Psychiatric Nurse	
Staff Nurse	$480/month to $600/month

Department of Public Health

Medical Technology

Medical Technologist	$475/month to $520/month
Microbiologist	$498/month

Public Health

Junior Chemist

Program Trainee

The Commonwealth of Massachusetts
University of Massachusetts
Worcester 01604

Medical School
Office of the Dean
419 Belmont Street

Telephone (617) 754-4181

June 9, 1969

TO: Mr. R. J. McCartney, Secretary

FROM: Lamar Soutter, M.D.
Dean, Medical School

SUBJECT: Report of the University of Massachusetts Medical School
For the Fiscal Year Ending June 30, 1969

****

1. Appropriation for the

Fiscal Year	Budget	Capital Outlay
1966-67	$143,368.12	$45,000,000.00
1967-68	262,500.00	230,000.00
1968-69	339,200.00	231,000.00

2. Personnel - September 1966

Deans, one
Executive Assistant, one
Librarian, one
Secretary, one

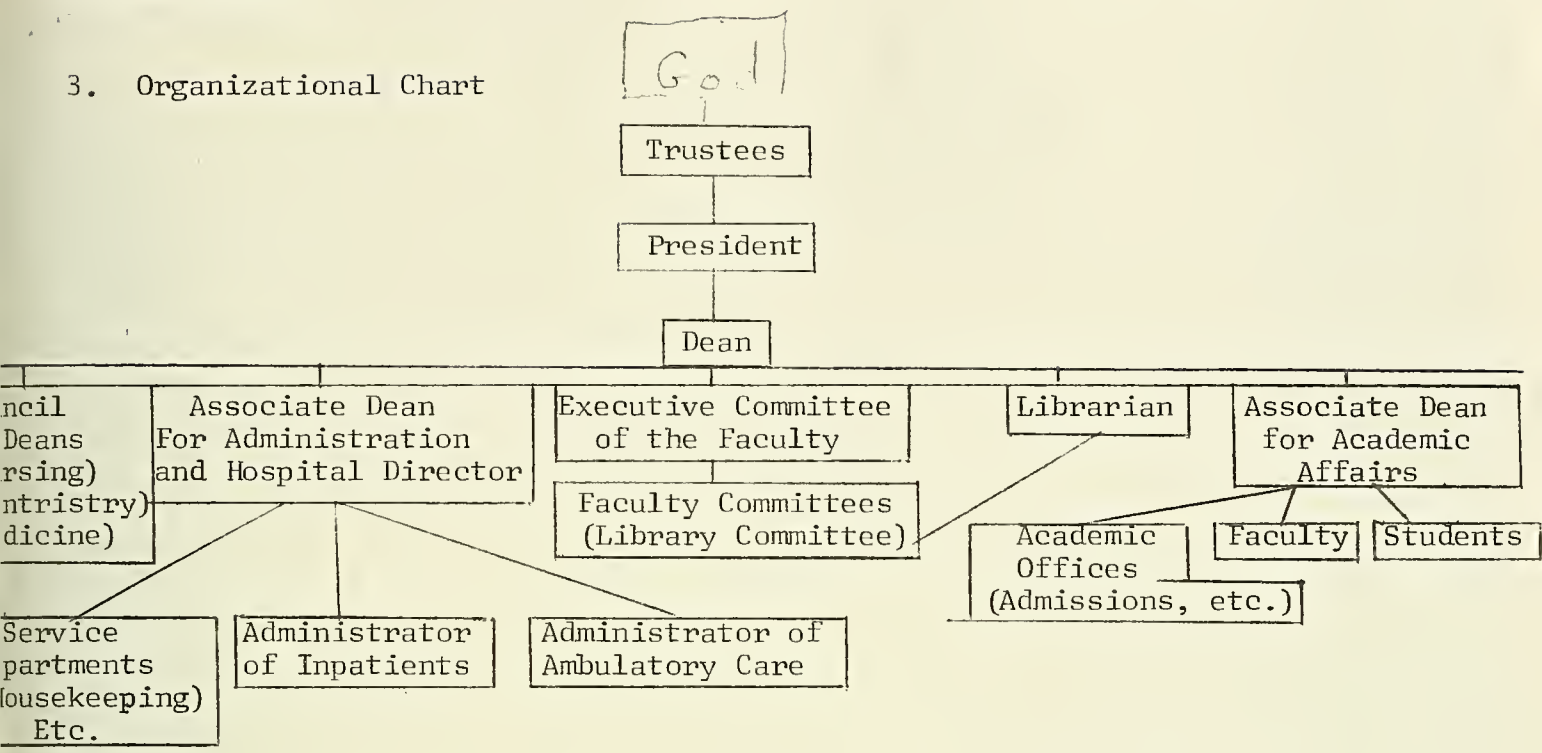
September 1967

Deans, two
Executive Assistant, one
Engineer, one
Librarian, one
Secretaries, five

September 1968

Deans, two
Executive Assistant, one
Faculty, two
Engineer, one
Librarian, one
Cataloguer, one
Library Assistant, one
Secretaries, five
Junior Clerks, three

3. Organizational Chart



4. Students or clientele served: None

5. Faculty publications, research grants, research projects, and other professional activities:

Faculty Publications are appended.

Faculty Research Grants:

James Ashmore, Ph.D.	National Institutes of Health	"Studies on Experimental Diabetes"
Sam L. Clark, Jr., M.D.	National Science Foundation	"Studies of the Endocrine Function of the Thymus"
	U. S. Public Health Service	"Neonatal Adaptation and Immunological Maturation"

6. Major accomplishments during the fiscal year 1968-69:

a) We obtained approval of federal applications for funds for construction of our medical science building and hospital to the total amount of $35,000,000.

b) The legislature has voted and the Governor approved sufficient additional money to permit the construction of the school and the planning of its teaching hospital.

CURRICULUM VITAE

LAMAR SOUTTER, M. D.

****

PERSONAL QUALIFICATIONS

Date of birth: March 9, 1909
Birthplace: Boston, Massachusetts

Parents: Robert Soutter, M. D., and Helen E. Whiteside

Marital status: Married
Wife: Mary C. Bigelow
Children: Nicholas B.
Elizabeth P.
Sarah B.

Licensed: Massachusetts - 1941; New Hampshire - 1953

Diplomate, American Board of Surgery - 1943
Member, Founders Group, American Board of Thoracic Surgery - 1950

EDUCATION

Secondary: St. Paul's School, Concord, New Hampshire
Diploma - June, 1927 Cum Laude

College: Harvard University, Cambridge, Mass.
Degree: A. B. - June 1931
Major: Honors in History

Medical: Harvard Medical School, Boston, Mass.
Degree: M. D. - June, 1935

Internships: Presbyterian Hospital, New York, New York -- 1936-38
Free Hospital for Women, Brookline, Mass. -- 1939-40 (6 mos.)

Residencies: Bellevue Hospital Center, New York, New York -- 1939-40
Chief Resident, First Surgical Division (Columbia)

Mass. General Hospital, Boston, Mass. -- 1940-41 (15 mos.)
First Assistant, East Surgical Service

PROFESSIONAL APPOINTMENTS

1941 Graduate Assistant in Surgery, Mass. General Hospital, Boston, Mass.

1942-43 Assistant in Surgery, Mass. General Hospital, Boston

1942-52 Director, Blood Bank, Mass. General Hospital (Leave 1943-46)

1943-46 Leave of Absence from the M.G.H. for the United States Army, Commanding a surgical team attached to the First and Third Armies (Three Battle Stars and a Silver Star) Discharged at rank of Major

1946-53 Assistant in Surgery, Mass. General Hospital, Boston (Assistant to Dr. Richard N. Sweet)

1946-53 Instructor in Surgery, Harvard Medical School

1948- General Surgeon, Consultant Staff, Mass. Hospital School, Canton, Mass.

1948- Attending Surgeon, West Roxbury V. A. Hospital

1950-52 Chairman, Blood Section of the State Civil Defense Commission (Mass.)

1951-53 Senior Surgeon, Soldier's Home, Chelsea, Mass.

1951- Surgeon, Courtesy Staff, New England Deaconess Hospital, Boston

1951-53 Director, Blood Bank, Soldiers" Home, Chelsea, Mass.

1952-61 Visiting Surgeon, Mass. Memorial Hospitals, Boston, Mass.

1952- Consultant in Thoracic Surgery, Salem Hospital, Salem, Mass.

1952- Consulting Staff in Thoracic Surgery, Morton Hospital, Taunton

1952- Consulting Staff in Surgery, Wentworth-Dover City Hospital, Dover, N. H.

1953- Consultant in Thoracic Surgery, Waltham Hospital, Waltham

1952-59 Associate Professor of Surgery, Boston University School of Medicine, Boston

1953-63 Clinical Associate in Surgery, Mass. General Hospital

1953-61 Consultant in Thoracic Surgery, Providence V. A. Hospital

1954- Attending Surgeon in Thoracic Surgery, Boston V. A. Hospital

1954-61 Consultant in Thoracic Surgery, Area Medical Office, Boston

(continued)

1955 Senior Consultant in Thoracic Surgery, Lemuel Shattuck Hospital

1955-59 Associate Dean, Boston University School of Medicine

1956-63 Visiting Surgeon in Thoracic Surgery, Boston City Hospital

1959 - Consulting Staff in Thoracic Surgery, Framingham Union Hospital

1959-63 Professor of Surgery, Boston University School of Medicine

1959-60 Acting Dean, Boston University School of Medicine

1960-61 Dean, Boston University School of Medicine

1961-63 Area Chief of Surgery for New York and New England, Veterans Adm.

1963- Area Consultant in Surgery for New York and New England, Veterans Adm.

1963-64 Associate Visiting Surgeon, Mass. General Hospital

1964- Board of Consultation, Mass. General Hospital

1963-64 Chairman, Comm. on Teaching and Education, Mass. General Hospital

1963-64 Lecturer in Surgery, Harvard Medical School

1964- Dean and Professor of Surgery, University of Massachusetts Medical School

MEDICAL SOCIETIES AND PROFESSIONAL ORGANIZATIONS

1963- A Program for Harvard Medicine: Member of the Greater Boston Alumni Committee

1956- Allen O. Whipple Surgical Society
Executive Committee -- 1958-61

1957- Alpha Omega Alpha

1959-66 Althean Club

1948-63 Amer. Assoc. of Blood Banks

1950- Amer. Assoc. for Thoracic Surgery

1943- Diplomate, American Board of Surgery

1943- American College of Surgeons
Mass. Credential Committee - 1961

1950- Founders Group, American Board of Thoracic Surgery

1951- American Medical Association

1951- American Thoracic Society, Eastern Section (Trudeau)

MEDICAL SOCIETIES AND PROFESSIONAL ORGANIZATIONS (Cont.)

1959- Association of University Professors

1963- Bay State Society for Cripplied and Handicapped, Inc.
(The Easter Seal Society)
Chairman, Medical Advisory Committee -- 1963-68
Member, Board -- 1965
President, 1968 -

1955- Benjamin Waterhouse Medical History Society
President -- 1958-59

1957- Boston Medical Library
Trustee -- 1957-60; 1963-
Vice-President -- 1959-60
Trustee -- 1965-66

1956- Boston Medical Quarterly
Editor -- 1956-61
Assoc. Editor -- 1961-62

1946- Boston Surgical Society
Secretary-Treasurer -- 1953-56
Executive Council -- 1957-61

1954- Boston Tuberculosis Association
Council Member -- 1954-58
Trustee -- 1958-62
Executive Committee -- 1962-
Chairman, Comm. on Objectives -- 1961-62
Chairman, Program Committee -- 1963-64

1962-63 Division of Chronic Disease, Mass. Dept. of Public Health
Chairman, Advisory Committee

1955- Eastern Surgical Society

1950- Fourth Auxiliary Surgical Group
President -- 1950-55
Secretary-Treasurer -- 1965-

1955- Halsted Society

1950-54 Harvard Medical Alumni Bulletin, Editorial Board

1965-67 Harvard Medical Alumni Council

1959-61 Mass. Health Research Institute
1963- Board of Directors

MEDICAL SOCIETIES AND PROFESSIONAL ORGANIZATIONS (Continued)

1961- Mass. Institute of Laboratories
Advisory Committee -- 1961-

1942- Mass. Medical Society
Executive Committee -- 1957-59
Chairman, Comm. of Supervision of State
Red Cross Blood Program -- 1949-52
Member, Comm. for Anatomical Material -- 1963-65
Chairman, Comm. to Study Payments for Medical
Services to Hospitals -- 1962-64
Chairman, Committee on Publications -- 1963-64
Member, Committee on Publications -- 1965-
Member, Committee on Area Health Planning -- 1968-

1966- Massachusetts Tuberculosis and Health League
Board of Directors

1955-59 National Board of Medical Examiners, Part III
Regional Chairman (Boston)

1966-67 National Research Council's Advisory Committee on Research and Education in the V. A.

1950-53 New England Association of Blood Bank Directors
A Founder and President, 1950-52

1960- New England Cancer Society

1962-64 New England Hospital, Boston
Medical Advisor

1953- New England Surgical Society
Chairman, Residency Training Comm. -- 1959-61

1965- Postgraduate Medical Institute
Director -- 1965-

1958- Roxbury Clinical Record Club

1954- Sigmi XI

1942- Suffolk District Medical Society
Vice-President -- 1959-60
President -- 1960-62
Nominating Committee -- 1963-65

1962- Visiting Nurse Association of Boston
Member, Medical Advisory Board -- 1962-

1967- Chairman, Advisory Committee, Regional Medical Program for Massachusetts

1968- Chairman, Committee on Allied Health Personnel
National Academy of Sciences

OTHER CLUBS AND SOCIETIES

Arctic Institute
Charitable Irish Society
Century Association of New York
Boston Athenaeum
Cohasset Yacht Club
Dedham Country and Polo Club
Harvard Club of New York
Harvard Traveller's Club
Somerset Club
Squam Lake Association

BIBLIOGRAPHY

1. Soutter, L.: Shock in perforated peptic ulcer; survey based on some 335 cases from 4 surgical divisions of Bellevue Hospital from 1929 to 1938. Surgery 10:233, 1941

2. Soutter, L.: Symposium on the management of Cocoanut Grove burns at the Massachusetts General Hospital; note on blood bank. Ann. Surg. 117:928, 1943

3. Soutter, L.: Procedures of the Blood Bank at the Massachusetts General Hospital. New Eng. J. of Med. 230:157, 1944

4. Soutter, L.: An Analysis of the cases of hiatus hernia treated by surgery at the Massachusetts General Hospital. Surg. Clin. N. Amer. 27:1121, 1947.

5. Chute, R. and Soutter, L.: Thoraco-abdominal nephrectomy for large kidney tumors. J. Urol. 61:688, 1949

6. Chute, R., Soutter, L. and Kerr, W. S., Jr.: The value of the thoraco-abdominal incision in the removal of kidney tumors. New Eng. J. Med. 241:951, 1949

7. Soutter, L. Blood Control in the gynecological patient. Progress in Gynecology. New York (Grune & Stratton, Vol. 2, 1950

8. Hunter, F. T., Grove-Rasmussen, M. and Soutter, L.: A spectrophotometric method for quantitating hemoglobin in plasma or serum. Am. J. Clin. Path. 20:429, 1950

9. Grove-Rasmussen, M. and Soutter, L.: Hemoglobin content of plasma of banked blood and of serum of patients with transfusion reactions. Am. J. Clin. Path. 20:434, 1950

10. Churchill, E. D., Sweet, R. H., Soutter, L. and Scannell, J. G.: The surgical management of carcinoma of the lung; study of cases treated at the Massachusetts General Hospital from 1930 to 1950. J. Thoracic Surg. 20:349, 1950

BIBLIOGRAPHY (Continued)

11. Blank, I. H., Coolidge, M. H., Soutter, L. and Rodkey, G. V.: A study of the surgical scrub. Surg., Gynec. & Obst. 91:577, 1950

12. Soutter, L., Allen, F. H., Jr. and Emerson, C.P., Jr.: Medical Progress: blood grouping, blood banking and blood transfusion. New Eng. J. Med. 245:367, 410 and 456, 1951

13. Rogers, H. and Soutter, L.; The diaster plan of the Massachusetts General Hospital. Outline privately printed in 1951

14. Soutter, L.: Abuse of transfusion therapy. New Eng. J. of Med. 245:745, 1951 Editorial

15. Grove-Rasmussen, M., Soutter, L. and Marceau, E.: The use of Group O donors as "universal" donors. Bull. of Amer. Assoc. of Blood Banks, Nov., 1951

16. Soutter, L.: Uses of arterial transfusion. Bull. of New York Acad. of Med. 27: (Dec.) 1951

17. Soutter, L.: The Red Cross blood program and the physician. New Eng. J. Med. 246:671, 1952 (editorial)

18. Soutter, L.: Plasma substitutes and defense. New Eng. J. of Med. 247:335, 1952 (editorial)

19. Soutter, L.: Plasma substitutes. Bull. of Amer. Assoc. of Blood Banks. Aug., 1952 (editorial)

20. Soutter, L.: Use of plastic blood containers. Bull. of Amer. Assoc. of Blood Banks. Nov., 1952 (editorial)

21. Soutter, L.: Use of blood fractionations. Bull. of Amer. Assoc. of Blood Banks. Nov., 1952 (editorial)

22. Grove-Rasmussen, M., Soutter, L. and Levine, P.: A new blood sub-group (A_O) identifiable with Group O serum. Am. J. Clin. Path. 22:1157, 1952

23. Grove-Rasmussen, M. and Soutter, L.: The necessity of adding albumin to serum in crossmatching. New Eng. J. Med. 248:149, 1953

24. Soutter, L.: Present status of plasma substitutes. J. Am. Geriatrics Soc. 1:531, 1953

25. Sweet, R. H., Soutter, L. and Valenzuela, C. T.: Muscle wall tumors of the esophagus. J. Thoracic Surg. 27: 13, 1954

26. Soutter, L.: Hiatus hernia. Rhode Island Med. J. 37:195, 1954

27. Soutter, L.: A thirty-one year hospital experience with the bronchoscopic approach to bronchial adenoma. Ann. Otol. Rhin. & Laryng. 63:509, 1954

BIBLIOGRAPHY (Continued)

28. Soutter, L., Sniffen, R. C. and Robbins, L. L.: A clinical survey of adenomas of the trachea and bronchus in a general hospital. J. Thoracic Surg. 28:412, 1954

29. Williams, C. and Soutter, L.: Pericardial tamponade; diagnosis and treatment. A.M.A. Arch. Int. Med. 94:571, 1954

30. Soutter, L., Scannell, J. G. and Myers, G. S.: Pneumonectomy and pulmonary valvulotomy in the treatment of active tuberculosis and pulmonary stenosis. J. Thoracic Surg. 30:49, 1955

31. Soutter, L.: Joint blood council. New Eng. J. Med. 254:135, 1956 (editorial)

32. Soutter, L.: The teaching of general practice at Boston University School of Medicine

33. Soutter, L.: Case records of the Massachusetts General Hospital (42,161) New Eng. J. Med. 254:761, 1956

34. Soutter, L.: Student finances, BMQ 7:97, 1956

35. Soutter, L.: Case records of the Massachusetts General Hospital (43,301) New Eng. J. Med. 257: 184, 1957

36. Soutter, L.: Morals and the intern-matching plan. New Eng. J. Med. 257:193, 1957 (editorial)

37. Soutter, L., Somers, S., Relman, A. S. and Emerson, C. P.: Problems in the surgical management of thymic tumors. Ann. Surg. 146:424, 1957

38. Soutter, L.: The abbreviated medical curriculum. Mass. Physician 16:52 (Nov.) 1957

39. Soutter, L.: Hospital teaching expenses. BMQ 8:120, 1957 (editorial)

40. Soutter, L.: Student finances. J. Med. Ed. 33:380, 1958

41. Sniffen, R. C., Soutter, L. and Robbins, L. L.: Muco-epidermoid tumors of the bronchus arising from surface epithelium. Am. J. Path. 34:671, 1958

42. Soutter, L.: More about student finances. BMQ 9:84, 1958 (editorial)

43. Soutter, L.: The treatment of achalasia of the esophagus (cardiospasm) Am. Practititioner 9:1796, 1958

44. Soutter, L.: Quantity and quality in medical education. BMQ 9:135, 1958 (editorial)

45. Ingelfinger, F. J., Kramer, P., Soutter, L. and Schatski, R.: Panel discussion on diseases of the esophagus. Am. J. Gastroenter. 31:117, 1959

BIBLIOGRAPHY (Continued)

46. Soutter, L.: The Boston Medical Library: Should Harvard take it over? BMQ 10:23, 1959. (editorial)

47. Soutter, L.: A note on the Boston Medical Library. BMQ 10:62, 1959 (editorial)

48. Soutter, L.: Whither higher state education in Massachusetts? BMQ 10:91, 1959 (editorial)

49. Soutter, L.: Medical Schools and the Bane Report. BMQ 10:128, 1959 (editorial)

50. Soutter, L., Mason, J. P., Millard,R. M. and Patt, D. I.: A new combined liberal arts-medical program of education. Report of a study by the Boston University College of Liberal Arts and School of Medicine, supported by a grant from the Rockefeller Foundation. 1959

51. Soutter, L.: Nigerian medicine. BMQ 11:21, 1960 (editorial)

52. Soutter, L. and Emerson, C. P.: Elective thymectomy in the treatment of aregenerative anemia associated with monocytic leukemia. Am. J. Med. 28:609, 1960

53. Guth, L., Soutter, L., Frank,K., Campbell, J. B. and Lloyd, J. B. Diaphragmatic function following anastomosis of recurrent laryngeal and phrenic nerves. Exp. Neurol. 2:251, 1960

54. Soutter, L., Lloyd, J. B., Ferris, B. C., Jr., Bering, E. A., Jr. and Tyler, J.: Restoration of diaphragmatic function by the cross-union of nerves: attempts in animals and in man. BMQ 11:73, 1960

55. Soutter, L.: The Deans' notes. BMQ 11:137, 1960 (editorial)

56. Soutter, L.: A new medical school? BMQ 12,28, 1961 (editorial)

57. Mulholland, J. H., Relman, A., Soutter, L. and Womack, N.: With increasing growth of full-time clinical faculties, practicing physicians should play a decreasing role in instruction of students. Debate J.A.M.A. 176:846, 1961

58. Soutter, L. and Wagner, R. R.: Do the National Boards influence the curriculum? A discussion. Bull. of the National Boards of Medical Examiners, June, 1961

59. Soutter, L.: The new six-year program of medicine and liberal arts at Boston University. Harvard Medical Alumni Bulletin 35:16 (Spring) 1961

60. Soutter, L.: A new combined program of liberal arts and medicine at Boston University. J. Amer. Osteopath. Assoc. 60:853, 1961

61. Soutter, L.: General observations on the excision of mediastinal tumors. The Craft of Surgery. P. Cooper, Ed. (Little Brown & Co.) Vol. 1, p. 335-340, 1965

62. Soutter, L.: The new combined liberal arts-medical curriculum at Boston University. The Federation Bull. 50:24, 1962

63. Soutter, L.: Case reports of the Massachusetts General Hospital (51-1962). New Eng. J. Med. 267:256, 1962

64. Soutter, L.: The decline of general practice. BMQ 13:120, 1962

65. Soutter, L.: Western Reserve and changes in medical school curriculum. New Eng. J. Med. 267:892, 1962 (editorial)

66. Soutter, L.: Medical care: its social and organizational aspects. The variable curriculum -- continuing changes in medical education. New Eng. J. Med. 269:189, 1963

67. Soutter, L.: Case Records of the Massachusetts General Hospital. N. E. J. M. 27:515, 1964

68. Soutter, L.: On Medical Libraries (Editorial) N. E. J. M. 272:483, 1965

69. Soutter, L.: Some aims of a New Medical School Clinical Research. 14:3, 1966

70. Soutter, L.: Worcester's Medical Community and the Massachusetts Medical School. Worcester Medical News XXI: 5, 1966

71. Soutter, L.: Continuing Changes in Medical Education Medical Care: Its Social and Organizational Aspects. Little Brown & Co. 1966

72. Soutter, L.: The Wedding of an Off-Campus Medical School with a Community of Moderate Size. Journal of the Mount Sinai Hospital XXXIV: 222, 1967

73. Soutter, L.: A New Medical School and Family Practise (A Note) Lancet :1072, 1966

74. Soutter, L.: The University of Massachusetts Medical School Massachusetts Physician July 1966, p. 50-53

75. Soutter, L.: The Effect of Various Factors upon the Human and Financial Resources for Psychiatric Education and Patient Care in the Future Psychiatry and Medical Education Garamond-Pridemark (in press)

76. Soutter, L.: Annual Discourse -- Medical Education and the University N. E. J. M. 279:294, 1968

77. Soutter, L.: Medical School Curriculumsin a Period of Change. Worcester Medical News XXXiii: 5, 1968

JAMES ASHMORE

Society Membership

American Association for the Advancement of Science

American Diabetes Association

American Society of Biological Chemists

American Society of Pharmacology & Experimental Therapeutics

Biochemical Society (London, England)

Central Society for Clinical Research

Endocrine Society

Sigma Xi

Society of Experimental Biology and Medicine

Professional Activities

Associate Editor, Journal of Diabetes - 1964-1966

Member of Editorial Board, Journal of Diabetes - 1966-

Member of Editorial Board, Journal of Pharmacology and Experimental Therapeutics - 1962-1965

Member of Editorial Board, Journal of Molecular Pharmacology - 1965-

Member of Editorial Board, Proceedings of the Society of Experimental Biology and Medicine - 1966-

Consultant, U. S. Public Health Service and Member of Pharmacology Study Section

Consultant in Biochemistry, Eli Lilly and Company, Indianapolis, Indiana

Editorial Consultant, Chemical Rubber Company, Cleveland, Ohio

PUBLICATIONS

JAMES ASHMORE

1. Huffman, M. N., Lott, M. H., and Ashmore, J.: Lactones of 2-hydroxymethyl-polyhydrophenanthryl-1-acetic acids. J. Am. Chem. Soc. 70:4268 (1948)

2. Ashmore, J. and Huffman, M. N.: 5-hydroxy-4, 4 dimethyl-3-(6-hydroxy-naphthyl-2)-pentenoic acid lactone. J. Am. Chem. Soc. 73:1784 (1951)

3. Huffman, M. N., Lott, N. H. and Ashmore, J.: The preparation of 2-hydroxy-methylopolyhydrophenanthryl-1-acetic acid lactones from 16-keto-17-hydroxysteroids. J. Biol. Chem. 196:367 (1952)

4. Ashmore, J., Elliott, W. H., Doisy, E. A., Jr., and Doisy, E. A.: Excretion of metabolites of testosterone-4-C^{14} in the rat. J. Biol. Chem. 200:661 (1953)

5. Ashmore, J., Hastings, A. B. and Nesbett, F. B.: The effect of diabetes and fasting on liver glucose-6-phosphatase. Proc. Nat. Acad. Sci. 43673 (1954)

6. Ashmore, J. and Renold, A. E.: Osazone formation from mixtures of glucose and fructose. J. Am. Chem. Soc. 76:6189 (1954)

7. Renold, A. E., Hastings, A. B., Nesbett, F. B. and Ashmore, J.: Studies of carbohydrate metabolism in rat liver slices. IV. Biochemical sequence of events after insulin administration. J. Biol. Chem. 213:135 (1955)

8. Ashmore, J. and Nesbett, F. B.: Effects of bile acids on activity of glucose-6-phosphatase. Proc. Soc. Exp. Biol. and Med. 89:78 (1955)

9. Ashmore, J., Renold, A. E., Nesbett, F. B. and Hastings, A. B.: Studies on carbohydrate metabolism in rat liver slices. V. Glycerol metabolism in relation to other substrates in normal and diabetic tissue. J. Biol. Chem. 215:153 (1955)

10. Ashmore, J., Hastings, A. B., Nesbett, F. B. and Renold, A. E.: Studies on carbohydrate metabolism in rat liver slices. VI. Hormonal factors influencing glucose-6-phosphatase. J. Biol. Chem. 218:77 (1956)

11. Ashmore, J., Kinoshite, J. H., Nesbett, F. B. and Hastings, A. B.: Studies on carbohydrate metabolism in rat liver slices. VII. Evaluation of the Embden-Myerhoff and phosphogluconate oxidation pathways. J. Biol. Chem. 220:619 (1956)

12. Renold, A. E., Hastings, A. B. and Ashmore, J.: The regulation of carbohydrate metabolism in isolated tissues. Vitamins and Hormones, XIV. p. 135 (1956)

13. Ashmore, J., Cahill, G. F., Jr., Hastings, A. B. and Zottu, S.: Studies on carbohydrate metabolism in rat liver slices. VIII. Effect of ions and hormones on pathways of glucose-6-phosphate metabolism. J. Biol. Chem. 224:255 (1957)

14. Cahill, G. F., Jr., Ashmore, J., Zottu, S. and Hastings, A. B.: Studies on carbohydrate metabolism in rat liver slices. IX. Ionic andhormonal effects on phosphorylase and glycogen. J. Biol. Chem. 224:237 (1957)

15. Hastings, A. B., Ashmore, J., Cahill, G. F., Jr.: Intracellular ionic environment and enzyme activities. Carbohydrate metabolism in liver. Archives Biochem. and Biophys. 65:78 (1956)

16. Ashmore, J., Cahill, G. F., Jr., Hastings, A. B.: Inhibition of glucose-5-phosphatase by hypoglycemic sulfonylureas. Metabolism 5:774 (1956)

17. Shull, K. H., Ashmore, J. and Mayer, J.: Hexokinase, glucose-6-phosphate and phosphorylase levels in hereditary obese-hyperglycemic mice. Arch. Biochem. and Biophys. 62:210 (1956)

18. Schwartz, R., Ashmore, J. and Renold, A.E.: Galactose tolerance in glycogen storage disease. Pediatrics 19:585 (1957)

19. Touchstone, J. C., Ashmore, J. and Huffman, M. N.: Ethers of phloroglucinol. J. Am. Chem. Soc. 78:5643 (1956)

20. Cahill, G. F., Jr., Hastings, A. B. and Ashmore, J.: Effects of substituted sulfonylureas on rat diaphram and liver tissue. Diabetes 6:26 (1957)

21. Elwyn, D., Ashmore, J., Cahill, G. F., Jr., Zottu, S. and Hastings, A. B.: Serine metabolism in rat liver slices. J. Biol. Chem. 226:735 (1957)

22. Ashmore, J., Cahill, G. F., Jr., and Earle, A. S.: Effect of insulin and sulfonylureas on the diposition of labeled glucose *in vivo* and *in vitro*. Ann. N. Y. Acad. Sci. 71:131 (1957)

23. Cahill, G. F., Jr., Hastings, A. B., Ashmore, J. and Zottu, S.: Studies on the carbohydrate metabolism in rat liver slices. X. Factors in the regulation of glucose metabolism. J. Biol. Chem. 230:125 (1958)

24. Ashmore, J., Cahill, G. F., Jr., Earle, A. S. and Zottu, S.: Studies on the diposition of blood glucose. Diabetes 7:1 (1958)

25. Cahill, G. F., Jr., Ashmore, J., Earle, A. S. and Zottu, S.: Glucose penetration into liver. Am. J. Physiol. 192:491 (1958)

26. Spiro, R., Ashmore, J. and Hastings, A. B.: Studies on carbohydrate metabolism in rat liver slices. XII. Sequence of metabolic events following acute insulin deprivation. J. Biol. Chem. 230761 (1958)

27. Weber, G and Ashmore, J.: Absence of fructose-1, 6-diphosphatase activity in hepatoma. Experimental Cell Research 14:226 (1958)

28. Foesch, R. F., Ashmore, J. and Renold, A. E.: Comparison of renal and hepatic effects of fasting. Cortisone administration and glucose infusion in normal and adrenalectomized rats. Endocrinology 62:614 (1958)

29. Ashmore, J., Cahill, G. F., Jr., Hillman, R. S. and Renold, A. E.: Adrenal cortical regulation of hepatic glucose metabolism. Endocrinology 62:621 (1958)

30. Ashmore, J. and Hastings, A. B.: Use of C^{14} in quantitative studies of alternate-metabolic pathways. Proc. Sec. Int. Conf. on Peaceful Uses of Atomic Energy.

31. Ashmore, J., Weber, G. and Lamdau, B. R.: Metabolic studies in Novikoff hepatoma. Cancer Research 18:974 (1958)

32. Ashmore, J., Karnovsky, M. L. and Hastings, A. B.: Chapter 29 "Intermediary metabolism" in Claus Radiation Biology and Medicine, Addison-Wesley Publishing Company, Reading, Massachusetts (1958)

33. Cahill, G. F., Jr., Ashmore, J., Renold, A. E. and Hastings, A.B.: Blood glucose and the liver. Am. J. Med. 26:264 (1959)

34. Hillman, R. S., Landau, B. R. and Ashmore, J.: Structural specificity of hexose penetration in rabbit erythrocytes. Am. J. Physiol. 196:1277 (1959)

35. Shoemaker, W., Mahler, R. and Ashmore, J.: Effect of insulin on heaptic glucose production in dogs. Metabolism 8:494 (1959)

36. Mahler, R., Shoemaker, W. and Ashmore, J.: The role of insulin in regulation of hepatic glucose metabolism. Ann. N. Y. Acad. Sci. 82:452 (1959)

37. Shoemaker, W., Mahler, R., Ashmore, J., Pugh, D. E. and Hastings, A. B.: The hepatic glucose response to insulin in the unanesthetized dog. J. Biol. Chem. 234:1631 (1959)

38. Shoemaker, W., Mahler, R., Ashmore, J. and Pugh, D. E.: Effect of insulin on hepatic blood flow in the unanesthetized dog. Am. J. Physiol. 196:1250 (1959)

39. Ashmore, J. and Weber, G.: The role of glucose-6-phosphatase in the regulation of carbohydrate metabolism. Vitamins and Hormones 17:92 (1959)

40. Ashmore, J.: Role of adrenal steroids in glucose-6-phosphate metabolism. Rev. Canad. Biol. 18:229 (1959)

41. Sie, Hsien-Gieh, Ashmore, J., Mahler, R. and Fishman, W. H.: Liver glucosyl oligosaccharides and glycogen; Carbon-14 dioxide experiments with hydrocortisone. Nature 184:1380 (1959)

42. Ashmore, J., Uhl, R. and Levine, A. S.: Biochemical studies of viral induced neoplastic growth. Science 130:1411 (1959)

43. Ashmore, J.: "Mechanism of action of oral hypoglycemic agents". E. B. Astwood Clinical Endocrinology I., page 300. Grune and Stratton, New York (1960)

44. Renold, A. and Ashmore, J.: "Metabolic effects of adrenal corticosteroids" R. H. Williams Diabetes, page 194. Hoeber, New York (1960)

45. Shoemaker, W. C., Ashmore, J., Carruthers, P. J. and Schulman, M.: Effect of insulin on rate of hepatic uptake of NEFA. Proc. Soc. Exp. Biol. and Med. 103:585 (1960)

46. Ashmore, J., Cahill, G. F., Jr., and Hastings, A. B.: Effect of Hormones on alternate pathways of glucose utilization in isolated tissues. Recent Progress in Hormone Research 6:547 (1960)

47. Landau, B. R., Ashmore, J., Hastings, A. B. and Zottu, S.: Studies on carbohydrate metabolism in rat liver slices. XV. Pyruvate and propionate metabolism and CO_2 fixation in rat liver slices in vitro. J. Biol. Chem. 235:1856 (1960)

48. Kilsheimer, Grace S., Weber, D. R. and Ashmore, J.: Hepatic glucose production in developing chicken embryo. Proc. Soc. Exp. Biol. and Med. 104:515-518 (1960)

49. Weber, G., Banerjee, G. and Ashmore, J.: Activities of enzymes involved in glycolysis, glucogenesis and hexosemonophosphate shunt in rat adipose tissue. Biochim. and Biophys. Research Comm. 3:182 (1960)

50. Ashmore, J., Stricker, F., Love, W. C. and Kilsheimer, G.: Cortisol stimulation of glycogen synthesis in fasted rats. Endocrinology 68:599 (1961)

51. Levine, A. S. and Ashmore, J.: Glucose metabolism in viral induced tumors. Nature 188:229 (1960)

52. Weber, G., Banerjee, G., Bixler, D. and Ashmore, J.: Role of enzymes in metabolic homeostasis. J. Nutrition 74:1 (1961)

53. Levine, A. S., Uhl, R. and Ashmore, J.: Glucose metabolism of tumors induced by Rous Sarcoma virus. I. J. National Cancer Inst. 27:597-609 (1961)

54. Ashmore, J., Weber, G., Banerjee, G. and Love, W. C.: Glucose metabolism of tumors induced by Rous Sarcoma virus. II. J. Natl. Can. Inst. 27:863-867 (1961)

55. Weber, G., Banerjee, G., Levine, A. S. and Ashmore, J.: Glucose metabolism of tumors induced by Rous Sarcoma virus III. J. Natl. Can. Inst. 27:869-873 (1961)

56. Wagle, S. R., Levine, A. S. and Ashmore, J.: Amino acids incorporation into proteins by pH-5 enzymes-microsome system from Rous tumors. Biochim. Biophys. Acta. 51:421-422 (1961)

57. Wagle, S. R. and Ashmore, J.: Interrelationships between amino acid metabolism and carbohydrate formation in insulin deficiency. J. Biol. Chem. 236:2868-2871 (1961)

58. Ashmore, J.: Biochemical lesions in diabetes mellitus. J. Med. Assoc. of the State of Alabama, Vol. 31 (1961)

59. Landau, B. R., Mahler, R., Ashmore, J., Elwyn, D., Hastings, A. B. and Zottu, S.: Cortisone and the regulation of hepatic gluconeogenesis. Endocrinology 70:47-53 (1962)

60. Weber, G., Morris, H. P., Love, W. C. and Ashmore, J.: Comparative biochemistry of Hepatomas II. Isotope studies of carbohydrate metabolism in Morris hepatomas 5123. Cancer Research 21:1406-1411 (1961)

61. Shoemaker, W. C., Carruthers, P. J., Elwyn, D. H. and Ashmore, J.: Effect of insulin on fatty acid transport and regional metabolism. Am. J. Physiol. 203:919 (1962)

62. Ashmore, J., Preston, J. E. and Love, W. C.: Effects of dichloroisoproterenol on blood sugar and plasma free fatty acids. Proc. Soc. Expt. Biol. and Med. 109 :291 (1962)

63. Mahler, R. and Ashmore, J.: Effect of anti-insulin serum on hepatic metabolism. Endocrinology 71:673 (1962)

64. Ashmore, J.: The role of glucose-6-phosphatase and fructose diphosphate phosphatase in gluconeogenesis. In fructose-1,6-diphosphate phosphatase and its role in gluconeogenesis. Am. Inst. Biol. Se. pp. 43-49 (1964) R. W. McGilvery and R. M. Pogell, eds.

65. Stern, M., Wagle, S. R., Sweeney, M. J. and Ashmore, J.: Studies on experimental diabets I. Effects of anti-insulin serum on C^{14} glucose metabolism. J. Biol. Chem. 238;12 (1963)

66. Wagle, S. R. and Ashmore, J.: Studies on experimental diabetes II. Carbon dioxide fixation. J. Biol. Chem. 238:17 (1963)

67. Love, W. C., Carr, L. and Ashmore, J.: Lipolysis in adipose tissue. Effects of dl-3,4-dichloroisoproterenol and related compounds. J. Pharm. and Expt. Therap. 140:287 (1963)

68. Love, W. C., Carr, L. and Ashmore, J.: Influence of isoproterenol and 1-(2',2' dichlorophenyl) 2-t-butylaminoethanol (DCB) on free fatty acid release and glucose metabolism in adipose tissue. J. Pharm. Expt. Therap. 142:137 (1963)

69. Sweeney, M. J., Ashmore, J., Morris, H. P. and Weber, G.: Comparative biochemistry of hepatomas IV. Isotope studies of glucose and fructose metabolism in liver tumors of different growth rates. Cancer Research 23:995 (1963)

70. Ashmore, J., Sweeney, M. J., Morris, H. P. and Weber, G.: Change from liver-type to muscle-type fructose metabolism in hepatomas. Biochem. Biophys. Acta 71:451 (1963)

71. Wagle, S. R. and Ashmore, J.: Studies on carbon dioxide fixation in normal and alloxan diabetic rats. Biochem. Biophys. Acta 74:564 (1963)

72. Uete, T. and Ashmore, J.: Effects of triamcinolone on carbohydrate synthesis by rat liver slices. J. Biol. Chem. 238:2906 (1963)

73. Wagle, S. R. and Ashmore, J.: Studies on experimental Diabetes III. Effects of acute insulin insufficiency on C^{14} glucose formation from labeled substrates. J. Biol. Chem. 239:1289 (1964)

74. Tarrant, M. E., Mahler, R. and Ashmore, J.: Studies in experimental Diabetes IV. Free fatty acid mobilization. J. Biol. Chem. 239:1714 (1964)

75. Ashmore, J., Wagle, S. R. and Uete, T.: Studies on gluconeogenesis in Advances in Enzyme Regulation 2:101 (1965). G. Weber, editor. Pergamon Press - Oxford, MacMillan, New York.

76. Root, M. A. and Ashmore, J.: The hypoglycemic activity of nicotinic acid in rats. Archives fur Pathologie und Experimentille Pharmacologie 248:117 (1964)

77. Love, W. C., Levine, A. S. and Ashmore, J.: Assimilation of amino acid analogues by a viral induced tumor. J. Natl. Can. Inst. 32:731 (1964)

78. Ashmore, J.: The effects of glucocorticoids on insulin action. Diabetes 13:349 (1964)

79. Mahler, R., Stafford, W. W., Tarrant, M. E. and Ashmore, J.: The effect of insulin on lipolysis. Diabetes 13:297 (1964)

80. Schaeffer, J., Walcher, D., Love, W., Breidenbach, G., Trexler, P. and Ashmore, J.: Studies on fatal hypoglycemia in axenic (Germfree) Piglets. Proc. Soc. Exptl. Biol. Med. 118:566 (1965)

81. Sweeney, M. J. and Ashmore, J.: Effects of acute insulin insufficiency on liver and adipose tissue fatty acid synthesis. Metabolism 14:516 (1965)

82. Tarrant, M. E. and Ashmore, J.: Sequential changes in adipose tissue metabolism in alloxan-diabetic rats. Diabetes 14:179 (1965)

83. Songsawade, C. and Ashmore, J.: Effects of actinomycin D and Puromycin on in vitro effects of triamcinolone on hepatic metabolism. In Advances in Enzyme Regulation 3:237 (1965) G. Weber, editor. Pergamon Press - Oxford, MacMillan, New York.

84. Struck, E., Ashmore, J. and Wieland, O.: Stimulierung der gluconeogenese durch langkettig Fettsauren und glucagon. Biochem Z. 343:107 (1965)

85. Wagle, S. R., Gaskins, R. K., Jacoby, A. and Ashmore, J.: Studies on glucose synthesis by rat liver and kidney cortex slices. Life Sciences. 5:655 (1966)

86. Bewsher, P. D. Hillman, C. C. and Ashmore, J.: Effects of nethalide on insulin activity and binding by rat muscle and adipose tissue. Molecular Pharmacology 2:227 (1966)

87. Bewsher, P.D., Tarrant, M.E. and Ashmore, J.: Effects of fat mobilization on liver acetate metabolism. Diabetes 15:346 (1966).

88. Bewsher, P.D. and Ashmore, J.: Ketogenic and lipolytic effects of glucagon on liver. Biochem. Biophys. Res. Comm. 24:431 (1966).

89. Williamson, J.R., Wright, P.H., Malaisse, W.J. and Ashmore, J.: Control of gluconeogenesis by acetyl CoA in rats treated with glucagon and anti-insulin serum. Biochem. Biophys. Res. Comm. 24:765 (1966).

90. Struck, E., Ashmore, J. and Wieland, O.: Pyruvatecarboxylase-aktivitat und glucoseneubildung in der isoliert perfundierten rattenleber. Enzym. Biol. Clin. 7:38 (1966).

91. Struck, E., Ashmore, J. and Wieland, O.: Effects of glucagon and long chain fatty acids on glucose production by isolated perfused rat liver. Adv. Enz. Reg. 4:219 (1966).

92. Bewsher, P.D., Hillman, C.C. and Ashmore, J.: Studies on the hypoglycemic effect of D-amphetamine in aggregated mice. Biochem. Pharmacol. 15:2079 (1966).

93. Bewsher, P.D., Hillman, C.C. and Ashmore, J.: Studies on the inhibition of insulin action in vitro by beta-adrenergic blocking agents. Ann. N.Y. Acad. Sci., 139:891 (1967).

94. Ashmore, J.: Metabolic aspects of adrenergic blockade. Ann. N.Y. Acad. Sci. 139:910 (1967).

95. Ashmore, J. and Morgan, D.: "Metabolic effects of adrenal glucocorticord hormones" in THE ADRENAL CORTEX, A.B. Eisenstein, Editor; Little, Brown and Company, Boston, pp. 249-267 (1967).

96. Malaisse, W., Malaisse-Lagae, F., Wright, P.H. and Ashmore, J.: Effects of adrenergic and cholinergic agents upon insulin secretion invitro. Endocrinology 60:975 (1967).

97. McCraw, E.F., Peterson, M.J. and Ashmore, J.: Autoregulation of glucose metabolism in the isolated perfused liver. Proc. Soc. Exp. Biol. Med. 126:232 (1967).

98. Peterson, M.J., Hillman, C.C. and Ashmore, J.: Nicotinic Acid: Studies on the mechanism of its antilipolytic action. Mol. Pharmacol. 4:1 (1968).

99. Bewsher, P.D., Mayhew, D. and Ashmore, J.: Studies on the antiketogenic effects of tolbutamide. In: WJH Butterfield and W. Van Westering (eds.) Tolbutamide after Ten Years, Brook Lodge Symposium, pp. 208-214 Excerpta Medica Foundation, N.Y., (1968).

100. Peterson, M.J., Patterson, C. and Ashmore, J.: Effects of anti-lipolytic agents on dibutyryl cyclic AMP induced lipolysis in adipose tissue. Life Science 7:551 (1968).

101. Carr, L., Ashmore, J.: Action of insulin on carbohydrate metabolism. Actions of Hormones on Molecular Processes. G. Litwack and D. Kritchevsky, Eds. John Wiley & Sons, Inc. Chapter 14, pp. 360-381 (1964)

102. Nelson, P., Tan, W.C., Wagle, S.R., and Ashmore, J.: Hepatic metabolism and enzyme activity in acute ethanol administration. Biochemical Pharmacology 16:1813 (1967).

103. Ashmore, J.: Mechanisms of hormone action. Endocrine Pathology. J.N.B. Bloodworth, Ed., The Williams & Wilkins Company. Chapter 2, pp. 3-11 (1968).

104. McCraw, E. F., Peterson, M. J., Yarnell, G., and Ashmore, J.: Autoregulation of glucose in the isolated perfused rat liver. Advances in Enzyme Regulation 6:57 (1968). G. Weber, editor. Pergamon Press, Oxford, MacMillan, New York.

105. Ashmore, J. and Weber, G.: Hormonal Control of Carbohydrate Metabolism in Liver. Chapter 10, pp. 336-371. Carbohydrate Metabolism and Its Disorders, Eds., F. Dickens, P. J. Randle and W. J. Whelan (1968) Academic Press.

106. Mayhew, D. A., Wright, P. H., and Ashmore, J.: Regulation of Insulin Secretion. Pharm. Rev. (IN PRESS).

107. Ashmore, J.: Insulin and adrenergic receptors. Fed. Proc. (IN PRESS).

108. McCraw, E. F., Yarnell, G. R., and Ashmore, J.: The effect of triglycerides on gluconeogenesis and ketogenesis in the isolated perfused rat liver. Proc. Soc. Exp. Biol. Med. (IN PRESS).

109. Nelson, P., Wagle, S. R., and Ashmore, J.: Ethanol effects on hepatic oxidations and gluconeogenesis. Proc. Soc. Exp. Biol. Med. (IN PRESS).

110. Christian, D. R., Kilsheimer, G. S., Pettett, G., Paradise, R., and Ashmore, J.: Regulation of lipolysis in cardiac muscle: A system similar to the hormone-sensitive lipase of adipose tissue. Advances in Enzyme Regulation (IN PRESS).

111. McCraw, E. F., Wagle, S. R., Patterson, C., and Ashmore, J.: Cortisol induction of lipolysis in adrenalectomized diabetic rats. Life Science (IN PRESS).

PAPERS PRESENTED AT NATIONAL AND INTERNATIONAL MEETINGS

1. Ashmore, J. and Doisy, E. A.: Metabolic studies of radiotestosterone. Fed. Proc. 11:182 (1952)

2. Ashmore, J., Elliott, W. H. and Hyde, P. M.: The metabolism of androgens. Science 116:302 (1952)

3. Ashmore, J., Renold, A. E., Nesbett, F. B. and Hastings, A. B.: Metabolism of glycerol-a-C^{14} by normal and diabetic rat liver slices. Fed. Proc. 13:176 (1954)

4. Ashmore, J., Nesbett, F. B., Hastings, A. B.: Hormonally induced changes in glucose-6-phosphatase in rat liver. J. Clin. Endocrinology and Metabolism 15:897 (1955)

5. Froesch, R. E., Ashmore, J. and Renold, A. E.: Comparison of renal and hepatic effects of fasting and cortisone in adrenalectomized rats. Fed. Proc. 15:69 (1956)

6. Ashmore, J., Cahill, G. F., Jr., Zottu, S. and Hastings, A. B.: Effect of hormones and ions on the in vitro synthesis of liver glycogen. J. Clin. Endocrinology and Metabolism 16:984 (1956)

7. Ashmore, J., Cahill, G. F., Jr. and Hastings, A. B.: Pathways of glucose metabolism in diabetic liver. Fed. Proc. 15:213 (1956)

8. Ashmore, J., Landau, B. R. and Weber, G.: Metabolism of isotopic glucose in normal and neoplastic liver and the effect of 2-deoxyglucase. Proc. Am. Assoc. Cancer Res. 2:277 (1958)

9. Ashmore, J. and Mahler, R.: CO_2 fixation in hepatic gluconeogenesis. Fed. Proc. 18:183 (1959)

10. Landau, B. R., Ashmore, J., Zottu, S. and Hastings, A. B.: CO_2 fixation and pyruvate and propionate metabolism in rat liver. Fed. Proc. 18:269 (1959)

11. Hillman, R. S. and Ashmore, J.: Specificity of red cell sugar transport system. Fed. Proc. 17:243 (1958)

12. Weber, G., Ashmore, J. and Banerjee, G.: Hormonal and dietary effect on hepatic carbohydrate enzymes. Fed. Proc. 19:50 (1960)

13. Weber, G., Banerjee, G., Levine, A. S. and Ashmore, J.: Metabolis studies on the Rous Sarcoma. Am. Assoc. Can. Res. 3:161 (1960)

14. Shoemaker, W. C., Ashmore, J., Carruthers, P. J., Powers, I. C., Schulman, M.: Effect of insulin on hepatic carbohydrate and fat metabolism in normal and depancreatized dogs. Fed. Proc. 19:163 (1960)

15. Love, W. C. and Ashmore, J.: DCI inhibition of hyperglycemia and FFA release. Fed. Proc. 20:166 (1961)

PAPERS PRESENTED CONT'D

16. Ashmore, J., Stern, M. and Wagle, S. R.: Glucose utilization in acute insulin deficiency induced by guinea pig anti-serum. International Diabetes Congress, Geneva, VII. 52, (1961)

17. Moore, W. W., Love, W. C., Clark, C. M., Jr. and Ashmore, J.: The role of the autonomic nervous system in FFA release. Endocrine Society 44th Annual Meeting, 141 (1962)

18. Love, W. C., Carr, L. and Ashmore, J.: Adrenergic mechanism and lipolysis in adipose tissue. Pharmacologist 4:2:173 (1962)

19. Sweeney, M. J., Mahler, R. and Ashmore, J.: Metabolic changes following acute insulin deprivation. Fed. Proc. 21:202 (1963)

20. Uete, T. and Ashmore, J.: In vitro effects of 9α-fluoro-16β-hydroxy-Δ^1-hydrocortisone on carbohydrate synthesis by rat liver slices. Endocrine Society 45th Annual Meeting, (1963)

21. Sweeney, M. J. and Ashmore, J.: Effect of anti-insulin serum on lipogenesis in normal and hypophysectomized rats. Fed. Proc. 22:422 (1963)

22. Mahler, R., Preston, J. E. and Ashmore, J.: Effects of an adrenergic blocking agent (n-Isopropylmethoxamine) on blood glucose and plasma free fatty acids of normal and alloxan-diabetic dogs. Fed. Proc.23:541 (1964)

23. Tarrant, M. E. and Ashmore, J.: Sequential changes in adipose tissue metabolism in insulin-deficient rats. 5th International Diabetes Congress (1964)

24. Mahler, R. and Ashmore, J.: Hormonal influences on arterial lipase. Endocrine Society 46th Annual Meeting (1964)

25. Bewsher, P. D., Hillman, C. C. and Ashmore, J.: Insulin blocking effect of nethalide. Fed. Proc. 24:510 (1965)

26. Ashmore, J. and Wagle, S. R.: Alternate pathways of glutamate metabolism in normal and diabetic livers. European Association for the Study of Diabetes, Montecatini, Italy (1965)

27. Ashmore, J. and Bewsher, P. D.: Studies on insulin action on adipose tissue. Montecatini, Italy (1965)

28. Ashmore, J.: Action of insulin on the liver. International Symposium on Diabetes, University of Edinburgh, Edinburgh, Scotland (1965)

29. Ashmore, J.: Enzyme synthesis and regulation of hepatic metabolism. Symposium on Hepatic Metabolism, Royal Free Hospital Medical School, London, England (1965)

PAPERS PRESENTED CONT'D

30. Bewsher, P. D., Hillman, C. C. and Ashmore, J.: Glucagon Cyclic AMD and ketogenesis. Fed. Proc. 25:720 (1966)

31. Peterson, M., Hillman, C. C. and Ashmore, J.: Antilipolytic action of nicotinic acie. Fed. Proc. 26:400 (1967)

Member of Admissions Committee, Washington University School of Medicine, 1955-1967.

U. S. Public Health Service Senior Fellow, 1958-1960.

Career Development Award, U. S. P. H. S., 1960-1968.

Visiting Scientist, Division of Immunology, National Institute for Medical Research, London, England, with J. H. Humphrey, September 1958-August 1959.

Associate Editor, American Journal of Anatomy, 1963-present.

Member, Cell Biology Study Section, NIH, 1963-1966.

Member, Regulatory Biology Panel, National Science Foundation, 1968-present.

Societies:

Alpha Omega Alpha, 1947-1949.
American Association for the Advancement of Science, 1954-
American Association of Anatomists, 1954-
American Society for Cell Biology, 1960-
American Society for Experimental Pathology, 1963-
Society of Sigma Xi, 1963-
International Society for Cell Biology, 1965-
Pan American Association of Anatomy, 1966-
Association of Anatomy Chairmen, 1969-

BIBLIOGRAPHY

1953 Clark, Sam L., Jr., Oral folic acid tolerance test in normal human subjects and patients with pernicious anemia. Proc. Soc. Exp. Bio. Med., 82: 25.

Woodruff, Calvin W., Sam L. Clark, Jr., and Edwin B. Bridgeforth, Folic acid deficiency in the guinea pig. J. Nutrition, 51: 23.

Clark, Sam L., Jr., Charles L. Dodgen and William J. Darby, Further studies on renal toxicity of PGA. Proc. Soc. Exp. Biol. Med., 84: 479.

Farr, Richard S., Sam L. Clark, Jr., and James E. Proffitt, An interaction of bacterial pyrogen with blood, plasma, and serum. Naval Medical Research Institute, Bethesda, Research Report Project NM 007 081. 12.01.

Proffitt, James E., Richard S. Farr, and Sam L. Clark, Jr., Inhibition of agglutinin formation. Naval Medical Research Institute, Bethesda, Memorandum Report 53-19.

1954 Farr, Richard S., Sam L. Clark, Jr., James E. Proffitt and Dan H. Campbell. Some humoral aspects of the development of tolerance to bacterial pyrogens in rabbits. Naval Medical Research Institute, Bethesda, Research Report Project NM 007 081. 12.02, and Am. J. Physiol., 177: 269

1957 Clark, Sam L., Jr., Renal cellular differentiation in the kidneys of newborn mice, studied with the electron microscope. J. Biophys. Biochem. Cytol., 3: 349.

Clark, Sam L., Jr. and William H. Batchelor. The behavior of the formed elements of blook incubated with bacterial endotoxins. Naval Medical Research Institute, Bethesda, Research Report No. 3 of Project NM 007 081. 12.

Clark, Sam L., Jr., and William H. Batchelor, The mechanism of action of bacterial endotoxins on whole blood in vitro. Naval Medical Research Institute, Bethesda, Research Report No. 4 of Project NM 007 081. 12.

1958 Darby, William J., Edgar Jones, Sam L. Clark, Jr., William J. McGanity, Jose Dutra De Oliveira, Carlos Perez, John Kevany and Jean Le Brocquy. The development of vitamin B_{12} deficiency by untreated patients with pernicious anemia. Am. J. Clin. Nutr., 6: 513-522.

Darby, William J., E. B. Bridgeforth, Jean Le Brocquy, Sam L. Clark, Jr., Jose Dutra De Oliveira, John Kevany, William J. McGanity and Carlos Perez. Vitamin B_{12} requirement of adult man. Am. J. Med., 25: 726-732.

1959 Clark, Sam L., Jr., The ingestion of proteins and collidal materials by columnar absorptive cells of the small intestine in suckling rats and mice. J. Biophys. Biochem. Cytol., 5: 41-50.

1961 Clark, Sam L., Jr., The localization of alkaline phosphatase in tissues of mice, using the electron microscope. Am. J. Anat, 109: 57-84.

1962 Clark, Sam L., Jr., The reticulum of lymph nodes in mice, studied with the electron microscope. Am. J. Anat., 110: 217-258

1963 Clark, Sam L., Jr., The thymus in mice of strain 129/J, studied with the electron microscope. Am. J. Anat., 112: 1-34.

Clark, Sam L., Jr., The isolated environment of the lymphoid tissues of the intestine. Fed. Proc., 22: 1339-1348.

1964 Clark, Sam L., Jr. The penetration of proteins and colloidal materials into the thymus from the blood stream. In The Thymus, Wistar Institute Symposium Monograph No. 2, Philadelphia, 1964, pp. 9-31.

Clark, Sam L., Jr., Electron microscopy of the thymus in mice of strain 129/J. In The Thymus in Immunobiology, ed. by R. A. Good.

Clark, Sam L., Jr., Morphologic and cytochemical features of mammalian cells involved in protein transport. In Macromolecular Aspects of Protein Absorption and Excretion in the Mammalian Intestine, The Fiftieth Ross Conference on Pediatric Research, Salt Lake City, Feb. 1964, pp. 10-17, publ Ross Laboratories, Columbus.

Clark, Sam L., Jr., Mechanisms of protein transport in the intestine and other animal cells. In Macromolecular Aspects of Protein Absorption and Excretion in the Mammalian Intestine, The Fiftieth Ross Conference on Pediatric Research, Salt Lake City, Feb. 1964, pp. 51-57, pub. Ross Laboratories, Columbus.

1965 Singleton, E. M., and S. L. Clark, Jr., The response of mast cells to compound 48/80 studied with the electron microscope. Lab Invest., 14: 1744-1764.

1966 Clark, Sam L., Jr., Cytological evidences of secretion in the thymus. Ciba Foundation Symposium. Thymus: Experimental and Clinical Studies, ed. G. Wolstenholme. London: Churchill.

Clark, Sam L., Jr., The synthesis and storage of protein by isolated lymphoid cells, examined by autoradiography with the electron microscope. Am. J. Anat., 119: 375-404.

1967 Clark, Sam L., Jr., and Ernest Helmreich, The synthesis of protein in lymphoid cells, studied by autoradiography and electron microscopy. In Lymphocyte in Immunology and Hemopoiesis: The Symposium held at Bristol, April, 1966, Edited by J. M. Yoffey, Edward Arnold & Co., 1967.

Clark, Sam L., Jr., Cellular differentiation during immune responses studied with electron microscope and autoradiography. In International Symposium on Immunity, Cancer and Chemotherapy, Edited by E. Mihich, Academic Press, 1967, pp. 141-152.

1968 Gad, Palle, Sam L. Clark, Jr., Involution and Regeneration of the Thymus in Mice, induced by bacterial endotoxin and studied by quantitative histology and electron microscopy. American Journal of Anatomy, 122: 573-606, 1968.

Clark, Sam L., Jr., Incorporation of sulfate by the mouse thymus; its relation to secretion by medullary epithelial cells and to thymic lymphopoiesis. J. Exp. Med., 128: 927-957.

UNIVERSITY OF MASSACHUSETTS
Amherst, Massachusetts

OFFICE OF THE DEAN OF MEN

ANNUAL REPORT

July 1, 1968 - June 30, 1969

1. Appropriations

As the Dean of Men's Office functions under an allotment made from the appropriations to Student Personnel, only such allotments pertaining to the Dean of Men's Office are listed as follows:

1966 - 1967

03 Account

$97,300.00	$88,900.00	(Residence hall counselors and faculty residents plus counselors for the summer school period)
	4,700.00	(Residence hall office duty)
	3,700.00	(Dean of Men's Office including Graduate Assistant for Fraternity Affairs)

1967 - 1968

03 Account

$ 100.00	$ 100.00	Dean of Men's Office - Student Help

1968 - 1969

03 Account

$ 100.00	$ 100.00	Dean of Men's Office - Student Help

Accounts	1966-1967	1967-1968	1968-1969
10	$ 412.00	$ 150.00	$ 175.00
11	$ 200.00	$ ------	$ ------
12	$ 400.00	$ 185.00	$ 200.00
13	$ 600.00	$ 400.00	$ 450.00
14	$ 500.00	$ 500.00	$ 450.00
14-1	$3,565.00	$1,065.00	$1,350.00
15	$ 72.00	$ ------	$ -------

2. Personnel - Number in Each Rank

September, 1966	September, 1967	September, 1968
1 Dean of Men	1 Dean of Men	1 Dean of Men
1 Staff Associate	1 Assistant Dean of Men	1 Assistant Dean of Men
1 Assistant Dean of Men	2 Senior Clerks and Stenographers	1 Senior Clerk and Stenographer
2 Staff Assistants		
18 Heads of Residence		
11 Residence and Assistant Residence Directors		
2 Senior Clerks and Stenographers		
1 Junior Clerk and Stenographer		

* * *

ORGANIZATION CHART - DEAN OF MEN

Dean of Students
|
Dean of Men
|
Assistant Dean of Men

4. Students or clientele served

The growth of the University of Massachusetts continues as reflected in the number of men per class in the Undergraduate School.

Class of	As of September 1966	Male Commuters as of September 1967	Male Commuters as of September 1968
1967	1,211	---	---
1968	1,406	---	---
1969	1,600	397	919
1970	1,599	216	487
1971	---	98	274
1972	---	---	125

Fraternity Members and Pledges

September 1966	September 1967	September 1968
911	936	1,016

5. Faculty publications, research grants, research projects and other professional activities.

Fraternity President's Guide

This document was compiled in an attempt to provide the fraternity presidents with a guide to basic policies and procedures governing fraternities on our campus. In addition to the delineation of these policies and procedures, other constructive advise and general information was included. The table of contents for this document is presented below with actual copies available through this office.

Preface
Advisers
Alcoholic Beverages
Alumni Relations
Anti-Discrimination Policy
Averages
Building Regulations - Town of Amherst
Chaperonage
Chapter Renovations
Chapter Visitors
Code of Responsibilities
Drugs
Environmental Health and Safety
Fire Regulations
Fraternity Managers Association
Hazing
Housing
IFC Constitution & By-Laws
IFC Judiciary System
Pledge Eligibility
Recognized Student Organizations
Resident Hostess Requirements
Salesmen
Social Functions (On and Off Campus)
Vacation Periods
Telephone Numbers

6, 7, 8. Major accomplishments, special projects and future plans

In retrospect, the Office of the Dean of Men has diminished in scope and influence in the past year or so to the point where it now serves primarily routine problems brought to its attention by the commuting students and those with the fraternity affiliations. A vast number of students have been served through this modus operandi, but in the final analysis I have found this type of service performed rather mundane and lacking in any real sense of accomplishment or degree of involvement.

As to the future, I feel it is imperative that this office, more specifically its personnel, be involved in future plans and decisions making policies of the total student personnel structure. If this basic prerequisite is not achieved with professional recognition and acceptance, I would anticipate new personnel changes in order to accomplish this goal.

Commuters

Taken collectively, there appears to be little that can be offered in the form of a structured program to serve this growing number of commuter students. A letter will be sent this fall, accompanied by the student handbook, to each commuter, introducing them to this office and the various resourses available to them. Efforts will be made to develop a closer rapport with the commuter senators in an attempt to ascertain any needs or problems that may exist within this group and their constituents. In the final analysis, it appears mandatory that the doors of the office remain open and that the staff be physically present to maintain the office functions throughout each school day.

Fraternities

With very few exceptions, I have found this group to be most cooperative and responsible during the past year. A conscientious effort was made to establish a meaningful rapport with the various chapter presidents and officers and to work in a positive vain for the betterment of the total Greek population. It is worth noting that very few acts of indescretion were perpetrated by the "frat boys" during the past year. One other significant factor that bears recognition is the higher academic standing achieved by the fraternities in the past year. At the conclusion of the first semester, all fraternities achieved an average above 2.1 and their collective average surpassed the all men's University average.

Objectives for 1969-1970

1) Continue to strengthen the fraternity advisors system by gaining more faculty involvement and support.

2) Develop a responsible and resourceful FMA office.

3) Continue to encourage our scholastic achievement.

4) Attempt to gain greater alumni support and involvement with their respective fraternities. Major emphasis will be placed initially on the physical and financial aspects of chapter management.

5) Encourage each fraternity to offer to its members more than the traditional weekend party. Without more varied and appealing programs sponsored by the chapter, it is difficult to see a meaningful growth within the system.

6) Encourage groups who express an interest in new fraternities. A completed park will never be a reality unless new blood can be injected into our present system.

7) Promote greater participation by undergraduates and their advisors in regional and national fraternity conferences.

8) Drug education program for all fraternity and sorority presidents.

Miscellaneous Functions

After assuming the responsibility for maintaining the Student Staff ID Office some two years ago, I can now report that this trust fund account is in the black after cleaning up a deficit of over $5,000. This year's operation ran smoothly without any major problems developing.

During the fall semester over 800 individual and department parking permit requests were processed. I cannot help feeling that this tedious task did a great deal to alleviate student and faculty concern over the total parking situation.

A five day conference in Washington during the last week of January, sponsored by the U.S. Department of Justice, Bureau of Narcotics and Dangerous Drugs, presented many insights into the drug scene on the campuses throughout the country. In light of the various positions and problems stated during this conference, I would judge our campus problem to be moderate compared to schools of comparable size.

The National Interfraternity Conference held in Miami during the first week of December was beneficial to me and the undergraduates who attended. It appears important that our interest in the Greek community be continued by this office lending support and interest to these activities.

William H. Richards
William H. Richards
Acting Dean of Men

WHR:bl

UNIVERSITY OF MASSACHUSETTS

AMHERST

ANNUAL REPORT OF THE DEAN OF WOMEN

JULY, 1968--JUNE, 1969

1. Appropriation

	1966-67	67-68	68-69
03	$72,800.	During the past two years the Dean of Women's budget has been merged with the Asso. Dean of Students' under the general Student Personnel Budget.	
10	250.		
12	165.		
13	500.		
14	550.		
14	2,735.		
	$77,000.		

2. Personnel

Sept, 1966	Sept, 1967	Sept, 1968
Dean of Women	Dean of Women	Dean of Women
Ass't. Dean of Women Two Staff Assistants 22 Heads of Residence Senior Clerk & Stenog.	These positions absorbed by Asso. Dean of Students.	
Junior Clerk & Stenog.	Junior Clerk/Stenog.	Junior Clerk/ Stenog.

4. Student clientele

	1966-67	1967-68	1968-69
Total Women Undergraduates	4761	5262	5457
Off-campus		1000 (approx.)	1000 (approx.)

Concern for educational and personnel policies for all women students; since 1967 assigned responsibility for off-campus women, including sororities.

5. Professional activities

Massachusetts Association of Women Deans & Counselors (High School Guidance & College Deans)--began two-year term as State President in November, having previously served on program committee and executive board.

National Association of Women Deans and Counselors---Participating member; attended national convention, Atlanta, April 1969.

Horace Smith Fund (Springfield)--Member of Board of Incorporators; assisted with grants to UM students.

Massachusetts Society for the University Education of Women--Member of Deans Advisory Committee; arranged interviews and made recommendations for scholarships for UM students; speaker at October meeting in Boston, reporting on Comparitive Education Seminar in Europe.

Massachusetts Federation of Garden Clubs--for the Scholarship Committee prepared a report of accomplishments and continuing interest in Horticulture of the 1933-68 recipients of the Federation's Margaret Motley Scholarship.

American Association of University Women--Liaison for University of Massachusetts; member of local branch; speaker at State Convention, Wellesley, in May.

League of Women Voters--Initiated a plan to introduce the League to women graduating from the University.

6. Major accomplishments 68-69

As is obvious from the comparisons on page 1, sweeping changes have taken place by the merged budget and staff for University residence halls under the Associate Dean of Students. As Dean of Women, I have a continuing concern for the welfare and education of all women students and I try to be alert to changing situations and their effect on women students.

Agreeing to decentralization of personnel services, records of residents were transferred to area coordinators and the Dean of Women's office currently serves as Counseling office for off-campus women including sorority residents and maintains personnel records for these students only.

Commuters

Letters sent to new student commuters initiated some contacts; others have come to the office at their initiative for special scheduling, "incomplete" grade recommendations, withdrawals from courses or from the University--procedures which were routine but which often led to disclosures of complex personal problems. Some I referred to Health, Mental Health or Financial Aids Office, but many wanted a sympathetic listener, concerned about human beings and knowledgeable about the University and student affairs, who could help them weigh alternatives in their particular situations.

The increasing number of married or divorced women seeking to complete their degrees, now with high motivation but special problems, points up the need for more flexibility in

University regulations and more personnel for counseling in "continuing education".

The former commuters' club is no longer feasible because of the wide discrepancy in ages, interests and commuting distances. A better objective has been to encourage commuters to find their places in the variety of existing organizations. Scrolls have been helpful to Freshmen in this respect.

Many have moved off-campus seeking less expensive living. Too often this is accomplished by over-crowding in apartments or houses creating more problems for themselves and the community. Inadequate food budgets point up the need for basic nutrition and consumer education.

Sororities

Approximately 850 women of all undergraduate classes participate in ten organizations. Two sorority groups were housed in University residences while their new houses are under construction. Eight managed their own residences. Each sorority is assisted by a corporation and/or Advisory Board (including student representation) which employs, with my approval for the University, a Housemother and non-resident cook. The University is fortunate to have the generous service of fine caliber faculty or town's people assisting these organizations.

Sororities have had a creditable year, conducting well-managed social affairs, service projects, and maintaining high scholastic standards. Sororities contribute positively in the personal development of many girls by offering the support of friends for high standards of behavior and scholarship, encouraging participation and leadership in activities. My reservations about discriminatory practices have been diminished by the religious, racial and cultural mixture in membership and by the elimination by most nationals of required "alumnae recommendations" for membership. Panhellenic Council has worked effectively for cooperative projects, membership policies, and training of new officers.

General

I have continued to advise Mortar Board, Senior Women's Honor Society, Alpha Lambda Delta, Freshman Scholastic Honor Society, and I have had frequent contacts with a variety of women student leaders who sought my help or counsel.

During the summer of 1968, I again assisted the Director of Counseling with Summer Orientation of new students. My contribution was in recruiting 49 faculty and staff volunteers and arranging their participation in 150 different meetings of new students or parents to answer questions and discuss various aspects of University life. Many regarded this interaction of faculty and new students as a very valuable part of the Summer Counseling and re-

gret that it is not a part of the 1969 program.

8. Needs and recommendations for the future.

   1. That the University recognize the service of the fraternities and sororities in providing approved living units and grant to each an appropriation toward the salary of the Housemother or Houseparents. The University reserves the right to screen, approve, and train these personnel and by paying a part of the salary could have a stronger and more appropriate relationship. (Precedent in other State Universities, Michigan and Rhode Island.)

   2. That the University press forward a study and program for "continuing education", particularly for the advising of part-time students completing degrees.

   3. That the University add an assistant to the Placement Office for Women for service to alumnae.

   4. That the Student Affairs Office expand services to the increasing numbers of off-campus students.

   5. That the Deans of Men and Women be more involved in decisions which effect the total student personnel policies of the University.

Helen Curtis

Helen Curtis
Dean of Women

HC/sll

Regular contacts with [illegible]
Occasional contacts with others.

Reference List of Some Women Student Leaders, Fall 1968

Mortar Board
16 members
National Honor Society of Senior Women based on Scholarship, Leadership and Service.

President: Susan Ostrander '69
47 Fearing Street

Scrolls
56 members, Sophomore Honorary-Service Society. Welcomes new students and assists throughout the year in orientation. Members in all women's residence halls and among commuters.

President: Christina Sawicki '71
602 Field

Alpha Lambda Delta
42 members, National Scholastic Honor Society (average of 3.5 or above in the Freshman year). Promotes scholarship and intelligent living.

President: Elyse Parmetier '71
361 Pierpont

Gamma Sigma Sigma
approximately 60 members, National Service Sorority (service to campus and community causes).

President: Linda McGeary '69
24 Nutting Avenue
Amherst, Massachusetts

Revelers
26 members in mixed service groups to promote University spirit.

Secretary: Rebecca Stedman '70
Kappa Kappa Gamma

Womens Athletic Association

President: Joan Nartout '70
323 Johnson

Naiads Synchronized Swimming

President: Jane Templeton Hine '69
Off--campus

Student Government
Student Senate, joint government for men and women (office in the Student Union).

Secretary: Cynthia Olken '69
Coolidge

Judiciary Board - Women Members --
Enid Salamoff '69, Chris O'Hare '69, Jane Gillan '70, Anita Karez '71.

Committee on Student Matters

Chairman: Eleanor Needle '69
618 Field

Student members on numerous University Committees (see Senate Office).

Student Union Governing Board

President: Susan Brady '69
Chi Omega

Sororities
(social, scholarship and service)
9 National Sororities, 1 local
8 in near-campus houses, 2 temporarily in residence halls-
820 members (50-96 in 10 organizations).

Presidents:

Alpha Chi Omega	Linda Renzi '69
Chi Omega	Sandra Holm '69
Iota Gamma Upsilon	Jane Shields '69
Kappa Alpha Theta	Barbara Burnham '69
Kappa Kappa Gamma	Nancy Waide '69
Lambda Delta Phi	Esther Nark '69
Pi Beta Phi	Nancy Unger '69
Sigma Delta Tau	Linda Pomeroy '69
Sigma Kappa	Mary Pawly '69
Sigma Sigma Sigma	Nancy Richardson '69

Panhellenic Council
20 representing all sororities

President: Elaine D'Amico '69
Sigma Kappa

Office of the Dean of Women
Whitmore 229
September 11, 1968/bs

UNIVERSITY OF MASSACHUSETTS

Comparative Averages of Sororities after Fall Semester 1968-69

Sororities by Rank of Averages	Fall Semester '68-69 Average of all members:	% of Membership on Univ. Honors List	% of Membership below 2.0
Sigma Sigma Sigma	2.89	47	6
Lambda Delta Phi	2.83	42	6
Pi Beta Phi	2.77	42	9
Sigma Kappa	2.74	42	9
Kappa Alpha Theta	2.70	39	9
Sigma Delta Tau	2.70	33	10
Kappa Kappa Gamma	2.64	34	14
Alpha Chi Omega	2.63	34	12
Chi Omega	2.60	35	20
Iota Gamma Upsilon	2.50	29	17

All Sorority Average	2.70
All University Senior Women	2.85
All University Junior Women	2.53
All University Soph. Women	2.40
All University Fresh. Women	2.39
All University Average	2.38
All University Women	2.53

Averages for Spring Semester and for full academic year 68-69 will be announced at the Panhellenic Scholarship Coffee in October 1969.

Office of the Dean of Women
April 14, 1969

ANNUAL REPORT

July 1968 to June 1969

OFFICE OF STUDENT AFFAIRS

Central Residence Area
Baker House
University of Massachusetts, Amherst

John Aubrey Messenger
Area Coordinator

The Cent. .rea Student Affairs Office, if not the best organized on campus during the past year, was probably the most active. The excitement generated by the presence of the Afro-American Society in Mills House; a new issue-oriented area government; an area newspaper which used this office as a publishing house; and student resentment over damage assessment kept this office in constant motion all year long.

In looking back on the past year's activities, several developments are worth noting.

(1) Last summer this office invited the Afro-American organization to use Mills House as a center for their activities on a temporary basis until renovation work began in the building in February. The prescence of large numbers of black students in the area served to bring to the surface disturbing signs of racism in the community. During the year much of the energies of staff in this office were operating in response to crisis. After the infamous "Chubby Hall Affair", racial confrontation sessions were conducted in ten of the area residence halls. If nothing else, these sessions indicated how strong and widespread racist attitudes in the area were. It is hoped that plans being laid now with the support of Jerry Weinstein and Chuck Kearny in the Education Department will better able us to deal with racism in a continuing program rather than on a crisis basis.

(2) This past year saw the development of a strong area government which had considerable impact in the area and the campus at large. Its activities included social events such as "The Happening on the Hill", the setting up of a student administered emergency loan fund, planning for the renovation of Mills House, and initiating the Greenough Co-ed Dorm proposal. Of tremendous value to our staff has been the very real improvement in communications between this office and the individual residence halls in the area.

(3) A student refurnishing committee responsible to the Area Council worked diligently with Herb Potter, area housing officer, to establish a long-range plan for meeting the area's refurnishing needs. This committee, with Mr. Potter's help, spent several weeks taking a new inventory of furnishings in the area. Many of the purchases made at the request of this committee (such as pool tables and color televisions, for which the students paid half the cost) have contributed to creating a home-like atmosphere in the residenc halls. It has been very

gratifying to see student response, in most of the residence halls, in the efforts they have made to initiate improvements in their physical environment.

(3) This past year Sue Garson initiated a program whereby students on academic probation for the spring semester were contacted by this office for special counseling.

(4) Last summer a proposal was drawn up by this office to provide for a student-run dormitory in Wheeler House. Although functionally an unqualified disaster, this program proved to be a valuable learning experience for everyone in the Area Coordinator's Office.

(5) A draft counseling program initiated by this office was very well recieved by area residents.

(6) A very cumbersome, time-consuming damage assessment policy served the purpose of forcing individual residence hall governments to accept the responsibility for damage incurred within their hall. This most welcome development will be formalized in a new assessment policy to be worked out between this office and the Area Council in August.

(7) The de-centralization of area maintenance crews has been a tremendous improvement. Bill Marren's crew has helped rectify years of neglect of the many chronic physical problems in the area. Mr. Marren's willingness to meet and deal directly with individual students and student governments in the area, and the prompt response of his crew in dealing with damage has done much to improve the image of the Maintenance Department in the eyes of students.

Preventive maintenance is finally being practiced in the area, and the results are fast becoming noticeable.

(8) This past year, Heads of Residence contributed case studies based on their own experiences in the residence halls. These are being edited and compiled into a booklet by the area office, and will be used to assist new heads of residence in our induction program next fall.

Special projects and plans in the making for the coming year include the following.

1. A student-administered residence hall is planned in Chadbourne House which will include (if funds are available) student janitorial services within the operation of the hall. Learning a lesson from the Wheeler project, Chadbourne was chosen for this experiment because of the very real and strong sense of community that has existed in Chadbourne for the past few years.

2. A proposal for a co-ed residence in Greenough House is presently before the Provost, awaiting approval.

3. Three sections of Freshman English will be taught in three area residence halls (Van Meter, Chadbourne, Butterfield) during the fall semester.

4. A proposal has been worked out in cooperation with Coach Vic Fusia whereby all members of the Freshman football team will be housed together on one corridor of Wheeler House. We hope this will better able the staff to deal with the often unique problems and tensions these students have. The rumor prevalent that Doberman Pincers will be housed in lieu of a counselor on that corridor is without foundation.

5. The renovation of Mills House into a Student Center provides vast opportunities for new programs and projects next year. The area Student Affairs Office will be moved to Mills at the end of August. A four day work session and human relations lab is planned to take place before the University opens in the fall. Participants in these sessions will include Area Council representatives, an executive committee from Afro-Am, and faculty members from the Department of Education.

Agenda items for this session will include setting up a black-white administrative committee for the center, and a plan to relate the Afro-American Organization to the white community in the area.

A student Resource and Research Center will also be operated in Mills next year by students with the support of the School of Education.

6. In order to make the resources of this office more readily available to area students, we are setting up a schedule of staggered office hours to provide evening office coverage.

In conclusion, it is felt that the accomplishment of this office has been in serving as a catalyst for student involvement in area problems and concerns. The improved relations and trust developed between this office and individual students and residence halls in the area, despite some pretty bloody confrontations with some of the halls (or perhaps because of them), is a very real if immeasurable gain.

Sharing decisions, such as the hiring and firing of Heads of Residence, has been, with a few exceptions, a very rewarding experience - although at times painfully slow and tedious.

Dealing with racism and the concomitant alienation of students in the area remains the biggest challenge to this office. Last year's experiences proved that the resources of this office are not sufficient

to deal with this problem alone. Our efforts in this area have had little effect, I feel, except to help us better identify and define the problem. As we grow away from physical and administrative problems and move toward dealing with the social needs of 2600 students, the need for staff trained in human relations skills becomes more and more apparent. There is no doubt in my mind that this office will continue to expend much of its energies in response to crisis next year. Thus the team must be enlarged to provide staff who can devote all their energies to acting as community facilitators on a program basis, and to train existing staff in human relations skills. Thus the responsibility for building community can be shared by more members of the community.

CENTRAL RESIDENCE AREA (2600 students)

1968-1969

AREA COORDINATOR
John A. Messenger

ASSISTANT AREA COORDINATOR
Susan C. Garson

GROUP WORKER
James Black

SECRETARY
Sharon M. Mallory

HOUSING OFFICER
Herbert Potter

STUDENT STAFF ASSISTANTS
Neil Dore Pamela Pepper Robert McDonnell Mary Mackin

BAKER
Maryann Noseworthy

BRETT
Frances Nutter

BROOKS
Joyce Yourga

BUTTERFIELD
Myree Richmond

CHADBOURNE
Anna French

GORMAN
Dale Toohey

GREENOUGH
Katherine Sutcliffe

HILLS NORTH
Grace Glass

HILLS SOUTH
Gladys Williams

VAN METER NORTH
Elaine Grennan

VAN METER SOUTH
Linda Lees

WHEELER
William Gibson
Paul Crowley

University of Massachusetts
Office of Student Affairs

TO: Dean William F. Field, Dean of Students

FROM: Alice G. Sargent, Director of Staff Training

DATE: June 20, 1969

ANNUAL REPORT
September 1, 1968 thru June 30, 1969

The position and office of Director of Staff Training are now two years old. The first year the staff consisted of a Director; this past year the office included a Director and five Group Workers:

Norma Gluckstern - full time-Southwest;
Dr. Susan Anderson - 20 hours per week - Northeast Area;
Jim Black - 6 hours per week - Central Area;
Jim Sacco - 10 hours per week, first semester - Central Area;
Jackie Stanton - 10 hours per week, second semester - Central Area;
Frances Matlhare - 20 hours per week - Orchard.

In addition to the Group Workers, other trainers were needed to provide training for the 450 Residence Hall Counselors, 50 Graduate Assistants and 50 Heads of Residence In order to operate, the program requires 52 Trainers to co-lead the groups, as well as 6 Trainers for Trainers, the highly skilled group leaders who consulted with the Trainers about the progress of their groups.

More important than the implementation of the program, additional resources were required for purposes of expertise in planning and evaluation. In this respect the program this year needed desperately to expand far beyond the resources available last year, ie., the Mental Health Service and the Counseling Center, to the academic departments of the University. The marvelous contribution of resources from the academic departments enabled the program to expand from a one semester in-service training program to a year long, 8-session pre-training and 10 session in-service training program. Hence, counselors are currently participating in thirty hours of training.

In response to requests for assistance, the Psychology Department provided invaluable resources. The work primarily, of Professor Dee Appley has been central to the planning and evaluation of the entire program. Professors Mort Harmatz and Cass Turner, in addition contributed significantly as consultants to the trainers and Mort Harmatz helped direct the research and evaluation of the program. This training program also served as a practicuum placement experience for graduate students in Dr. Dee Appley's graduate group course in Psychology and Dr. Al Ivey's graduate group course in the School of Education.

CRITIQUE OF THE PROGRAM

The major problem of the program is that we are straining our current resources beyond a reasonable amount and that we will soon exhaust the good will of the numerous people who are devoting 6-10 volunteer hours per week to the Training Program in addition to the other positions they hold. The major need of the program is increased training for the 52 trainers, many of whom as yet do not qualify in terms of skills, experience, or expertise as group leaders.

The resources of the University are quite limited in terms of people with extensive background in working with groups, and we have carefully garnered all available resources and asked great assistance. The Trainers for Trainers, Dee Appley, Steve Klein, Mort Harmatz, Bill Madaus, and Cass Turner have been extraordinarily generous to the Program. We cannot however, go on asking for free time from them to, in effect, teach several levels of courses in group dynamics, shared leadership, conflict resolution, how to serve as a consultant, and how to increase self-awareness.

I. STRUCTURE FOR THE RESIDENCE HALL STAFF TRAINING PROGRAM

The Training Program this year altered its structure from the stranger groups of last year to family groups comprised of brother-sister houses. There were 27 groups consisting of Counselors in each of the two houses, two graduate assistants, and the two Heads of Residence, and two trainers. Participation of the Heads of Residence in the Training Program provided an informal structure in which two-way communication between the Counselors and the Heads of Residence could be increased and the issues of their working relationships in the House could be confronted. These groups met for one hour and a half to two hours each week during the first semester. In March, after the selection of new counselors, new groups began so that the Fall counselors participate in an additional pre-training program.

In addition to the twenty-seven groups of Counselors and Heads of Residence, separate groups for the 50 Heads of Residence were conducted by the Area Group Workers or the Director of Staff Training. There were two groups of Southwest Heads of Residence, a group of Orchard Heads of Residence, a Central Area Group of Heads of Residence, and a Northeast Area Group. The Area Coordinator and Assistant Area Coordinator participated in these sessions. The purpose of these sessions was to increase the receptivity to shifts in attitudes that might occur in the other training groups and to prepare the Heads of Residence more to facilitate change with their counselors. The degree of growth in communication skills differed greatly depending upon the Head of Residence group, although these groups were significantly more cohesive and helpful to each other than they had been last year.

II. RATIONALE FOR STAFF TRAINING PROGRAM

The purpose of the Training Groups is to enable counselors to learn more about interpersonal behavior; including their own, through first-hand experience in a laboratory setting. Laboratory training is a device which slows down for analysis, processes which are customarily taken for granted. Laboratory training is characterized by a spirit of inquiry and by continuous attempts to question "received" notions and to "unfreeze" role expectations. All experienced behavior is a subject for questioning and analysis, limited only by the participant's openness. There is a high valuation placed on feelings. The degree to which participants can communicate feelings and in turn evoke valid feelings from other members is an important criterion of group growth.

The primary focus of the training program is attitude change which hopefully occurs as the counselors encounter each other in the climate of an accepting group. Information giving is handled primarily by the Area Coordinators, Heads of Residence, and through the Counselor Manual. The Training Program does not give a series of skills to be used to manage other people, but the program does offer a growth experience, an experience in seeing interaction as dynamic.

The conviction of the Staff is that rather than set up a structured curriculum for the counselors, the material dealt with in the Training Program ought to reflect the immediate concerns confronting the counselors. The counselors therefore, are encouraged themselves to take the initiative in setting the agendas for the group.

In the training group, counselors are encouraged to increase their knowledge of themselves insofar as they wish. At the same time they have the opportunity to observe and discuss the interpersonal relations that naturally develop in a group, and to understand the conditions which facilitate or inhibit effect group functioning. In this sense the group as a whole is self-analytic with regard to its own processes.

Problems for discussion and analysis are drawn from topics and agendas presented by members, and by events in the group, both retrospective, and in the immediate present. The aim of a group member is to cooperate with others to develop group norms, leadership, working procedures, and appropriate emotional atmospheres for effective analysis. To this end shared leadership, confronting manipulative behavior, giving feedback, and building cohesiveness are valuable means. Each individual is expected to participate in the discussion and to contribute in his own way in the development of the group. Because the immediate interaction between members of the group is the basic object of study, attendance and participation in the group are very important.

The focus of the groups is on the participant's learning about developing choice in his behavioral responses rather than on the participant's necessarily changing his behavior. Change is the participant's privilege. The trainer's goal is to help the participant think about how he chooses to behave. Frequently, members learn the consequences of over or under-participation, of fragmenting the group into sub-groups, of controlling the group, of non-verbal behavior, of talking outside the group rather than in the group, and of projecting hostility rather than taking responsibility for his own behavior.

III. LEARNING EXPERIENCES IN THE TRAINING GROUPS

The primary learning experiences to be confronted in the counselor groups are the development of personal growth and counselor competence. Specifically, the learning experiences include:

a.) increased awareness of self-concept and increased positive feelings towards self;

b.) increased awareness about interpersonal relationships: male-female, black-white, student-faculty;

c.) sharing value systems with others about:

1. freedom and trust in interpersonal relationships;
2. competence and risk in the development of life goals;
3. responsibility and accountability to the community;

d.) increased tolerance for low structure;

e.) increased ability to articulate feelings;

f.) greater awareness about human development;

g.) increased feelings of openness and a desire to share and to be helpful, as opposed to desires to fight, control, or withdraw;

h.) awareness of the diversity of people;

i.) a sense of being more influential and more powerful in a group;

j.) increasing one's own participation in groups and increasing one's sense of responsibility for the group;

k.) a greater awareness of how to develop cohesiveness in a group and how to build interdependent relationships rather than competitive relationships;

l.) expanded notions of the role of counselor;

m.) ability to respond to crises more effectively;

n.) coping with roommate problems and academic problems;

o.) greater knowledge of how to cope with the University; how to build community and how to share decision-making.

More specifically, the training sessions provide an opportunity for Counselors and Heads of Residence to discuss:

1. real life situations and attitudes about these situations as they occur in the residence hall;

2. their roles as counselors in depth, beyond the statements within the job description; in these group sessions the counselors can deal with some of their anxieties, ambiguities, and conflicts about the expectations of the positions;

3. to become more sensitive to some of the communications problems they encounter in the residence hall among staff, student government, and the other students;

4. to handle problems on their corridor on a group level; (At present, many Counselors and Heads of Residence are not as comfortable functioning in groups as they are with individual students, and so they forego many opportunities to treat corridor sections as a group. For examples, counselors could be dealing with such problems as excessive noise, damage, stealing, and the presence of a non-academic climate on a corridor as group problems, and hence mobilize the concern of the community for these problems.)

5. how to work with a counselor who does not seem sufficiently concerned about his/her effectiveness; and

6. how to evaluate effectiveness as a counselor.

IV. ROLE OF TRAINERS

The aims and methods of the group require an unusual role on the part of Trainers. Once the general arrangements are explained it is necessary that the members take the major responsibility for their own learning. Trainers do not lecture; they share in the group process but, basically, the group as a whole through consensus works out its own pattern of participation. Learning in the training group is a joint, collaborative venture between the co-trainers and participants. The Trainers will participate at times to draw attention to the group process, to comment on some aspect of individual or interpersonal behavior, or to suggest general approaches to problem solving. The basic intention of the Trainers is to allow the members of the group to experiment widely with their own approaches in as free and secure a climate as possible.

So far as appropriate, issues or concerns that arise out of interaction in the group should be made known in the group, for reasons of their educational value. This includes the relations of group members to each other outside the group insofar as they are relevant to understanding the group: outside interaction should not be substituted for interaction within the group.

V. SELECTION OF COUNSELORS

It is the goal of the Residence Hall Program that a variety of role models exist among counselors, ie. that all counselors do not represent the same kind of role model, the senior citizen, but rather represent the diversity of the college population. Some of the criteria relevant to selection of counselors and to the goals of the Training Program are:

a.) openness to new experience and tolerance for ambiguity;

b.) ability to articulate feelings;

c.) ability of the counselor to develop a sense of community on his/her corridor;

d.) appreciation of diversity in people and experiences;

e.) self-awareness - empathy for others;

f.) demonstrates initiative and takes responsible risks;

g.) skills in problem solving; approaches problems openly;

h.) awareness of the University, and awareness of current issues about student power, etc.

VI. SELECTION AND TRAINING OF TRAINERS

In order to increase the skills and experience of the Trainers and to provide continuity in the Training Program, the 52 Trainers met together for an hour and a half to two hours each week in three separate groups to engage in an on-going training experience themselves. The goals of this phase of the program were:

a.) to help Trainers acquire further skills and competence in working with groups. Many of the people involved as Trainers had had a great deal of experience in one-to-one counseling situations, but had not had as great an opportunity to understand the dynamics of groups.

b.) to clarify the learning goals they hope to fulfill in their role as trainer and consultant to the residence halls;

c.) to develop a training design that combined structured and non-structured experiences using verbal and non-verbal communication in order to increase (a.) counselor's self-awareness and (b.) counselors awareness of interpersonal communication. Whatever the training is, the trainers' goal is to use basically the resources of the people in the counselor group. In effect, the group is primarily self-contained. The Trainer's role in the Counselor group is primarily one of helping to make it possible for the counselors to share their own personal resources with each other.

d.) to help Trainers clarify and get feedback on their design and on the learning goals they hold for their groups;

e.) to increase the Trainer's understanding of his role and his effect on the group;

f.) to increase communication between and among the various staffs involved in the Training Program; and

g.) to share progress as the Training Program is carried out.

VII. EVALUATION OF THE PROGRAM

The following results are noted from the Training Program:

1.) Counselors are beginning to discuss their problems in coeducational groups, a phenomenon which has very rarely occurred before. Previously, the response had been that men and women counselors had nothing in common. Men and women counselors also are taking note of the differences in their attitude towards the role of the counselor. To generalize: the women note that they seem to become much more involved with the students on their corridor than the men. The men share more of the attitude that, "If the student needs me, he will seek me out". Men and women counselors also note a disparity in their attitudes towards University regulations, with the women tending to feel more responsible for the enforcement of these regulations. The men counselors however, tend to work with student government much more effectively than do the women.

2.) Counselors have developed greater skills in communicating as observed by Area Coordinators, and Counseling Center and Mental Health.

3.) Counselors have learned that there are other people who are interested in them and that other people care enough to devote time to helping them do a better job.

Efforts were made at an organized evaluation as to what changes in counselor attitude, if any, occurred as a result of the Training Program. Under the direction of the Research Committee, comprised of Mort Harmatz, (Psychology) and Dick Haase, (Counseling Center), all members of the training groups were given the Semantic Differential in March and June. The results are not available as yet. The test will be readministered in September and January. One of the hypotheses to be tested by the Semantic Differential is that we fear that as a result of training, the counselors identify themselves more with the administration than as members of the student population.

VIII. THE FUTURE OF THE PROGRAM

1.) Should the Training Program be suspended until further training for Trainers can be accomplished?

2.) Should counselors be trained as Trainers?

3.) How can we communicate more effectively to the counselors in advance what the nature of the Training Program is?

4.) Where are the differences if any, in the roles of men and women counselors? How do we take this into account in the Training Program?

5.) With resources so strained, is co-training of sufficient value to merit the additional demands it makes on the training of Trainers?

6.) Should first and second year counselors be in the same group together?

7.) Should counselor selection be conducted by the training groups?

8.) How could the Research and Evaluation component of the program be more effectively designed?

IX. ADDITIONAL ACTIVITIES

As Director of Staff Training, I also helped to organize a team to attend the Lab in Higher Education at the National Training Laboratories in Bethel, Maine - June 15-27. The members of the team were:

Student Affairs Office

1. Jim Black, Group Worker, Central Area, Graduate Student, and School of Education.
2. Joanne Brewer, Area Coordinator, Southwest Area.
3. Rene Carew, Area Coordinator, Southwest Area.
4. Sue Garson, Assistant Area Coordinator, Central Area.
5. Susan (Anderson) LaFrance, Group Worker, Northeast Area.
6. Ron LaFrance, Area Coordinator, Southwest Area.
7. Jack Welles, Group Worker, Southwest Area.
8. Eunice Parisi, Group Worker, Orchard Hill Area.

Student Senate

9. Stafford Sheehan, Residence Hall Counselor, Student Senate, Executive Committee.

School of Education

10. Lyman Brainard Graduate Student.

Student Senate supported the cost of their delegate to the Lab this year in order to evaluate future participation. Dean Field supported those members of the Student Affairs Staff on a twelve-month contract by paying their salaries during the Bethel Lab and by not considering the Lab as a vacation; however, they had to finance the $435.00 fee themselves. Don Carew, who will hold my position as Director of Staff Training in Student Affairs, is attending NTL this summer in the Interns' Program.

In addition, having become quite concerned because of the confrontations occurring between student, faculty and administration (the Afro-Am demonstration in the Fall and the Dow demonstration in the Spring), I also decided to become involved in the larger issue of developing a sense of community in other areas of the University. We created a Human Relations Committee to serve as a long range planning committee and to concern itself with the development of a sense of community and to plan responses to the non-creative tensions on campus. The central focus of the Committee is:

1.) to acknowledge that one of the primary sources of tensions on the campus is race relations;

2.) to facilitate interpersonal and intergroup relations on campus, (e.g. black-white; male-female; and student-faculty);

3.) to incorporate human relations values in the goals of the University;

4.) to improve the general learning climate on campus so that people learn to relate more effectively with <u>each other</u> and <u>not only</u> to cognitive areas;

5.) to find ways of breaking down the complex structure of the University so that we no longer have a system of tri-partite co-existence between faculty, administration and students;

6.) to confront the feelings of alienation, lack of identification, and isolation many feel at the University.

The members of the Committee are:

Dr. Jeremiah Allen, Associate Provost
Professor Dee Appley, Dept. of Psychology
Dr. Paul Brubacher, Assistant Dean of Student
Mr. Dallas Darland, Provost's Office
Professor Mort Harmatz, Dept. of Psychology
Dr. Al Ivey, School of Education
Dr. Robert Livingstone, CASIAC
Mr. Bill Madaus, Director, Upward Bound
Mr. Joe Samuels, School of Education
Mrs. Alice Sargent, Director of Staff Training
Dr. Earl Seidman, Assistant Dean, School of Education
Dr. Seymour Shapiro, Acting Dean, Arts & Sciences
Professor Cass Turner, Department of Psychology
Professor Gerry Weinstein, School of Education

ANNUAL REPORT

Orchard Hill Office of Student Affairs

1968 - 1969

The Orchard Hill Residential College became the fourth independent residential area in August 1968 with the creation of the Orchard Hill Office of Student Affairs. The office is located in two small rooms in Emily Dickinson House and is staffed by an Area Coordinator, an Assistant Area Coordinator and a secretary. The area had four highly qualified heads of residence who rounded out the student affairs area staff. By September the office was fully operational and was prepared to serve 1300 students housed in the four residence halls which make up the Orchard Hill Residential College.

There were many cultural and academic programs and accomplishments which will not be elaborated on in this report. They do not fall under the direct supervision of this office. Other programs and concerns will be listed along with a brief description and evaluation of each.

1. The C.C.E.B.S. Program: The Orchard Hill Area this year housed 125 black students in the C.C.E.B.S. Program. Black-white encounter groups and racial discussion groups took place all year as the white and black communities learned about each other. The Orchard Hill Assistant Area Coordinator played a special role in coordinating the C.C.E.B.S. academic and tutoring program with the residential environment. A program of volunteer black professional counselors was coordinated by her. The success of the program this year was for a large part due to her diligence in working out over-looked problems inherent in a beginning program.

2. Counselor Assistant Program: Early in the year it was recognized that it was necessary to include black student counselors in our residential staff. We therefore instituted an assistant counselor program in which 23 black students were chosen to undergo a training program and serve an internship with the regular counselors for the second semester of the year. The Orchard Hill staff coordinated campus resources in order to provide training for these students and the supervising counselors. The program served to educate the white and black community in racial concerns, gave the black community a role in the supervision of the residence halls and provided a pool of qualified black counselors for next year.

3. Four Dorm Activities Program: In order to build residential college unity, the four dorms were encouraged to join together to provide an area activities program. In spite of some student apathy, the program did pull the four dorms together and provide the stimulus for an area student government to be formed later.

4. Orchard Hill Residential College Area Government: Orchard Hill students, feeling the need for increased services in the Area (basketball courts, parking lots path to the center of campus and bus service), began an "Apple Power" campaign, the outcome of which was a representative student area government. Although it is still in its beginning stages, this government has a constitution, elected officers and a commitment to take a more active role in the running of College affairs next year.

5. Area Guidance Counselor: This year a counseling psychology graduate intern held office hours twice a week in the Orchard Area and provided vocational, academic, and personal counseling. She administered vocational interest tests and gave interpretation and counseling for vocational choice. The program demonstrated the need for an established area office for guidance and counseling services.

6. Health Service Liaison: A graduate student working under Dr. Gage used the Orchard Hill Area as a pilot study to evaluate the need for a health service liaison and public health educator working in a residential community. This program was successful and provided a much-needed sex and drug education program.

7. Dining Commons Committee: It has been stated for the past four years that the Orchard needs its own dining and classroom facilities if it is to become a true residential college. This year a committee was formed and meetings held to plan and facilitate the building of this facility. There is some optimism that we will have this dining center by 1972.

New programs, extensions of existing programs and some different operating procedures are planned for next year. As the Orchard Hill Residential College continues toward a goal of being a college with its own curriculum, faculty, budget and program, etc., it is necessary to design an administrative operation which reflects area unity and autonomy. As we enter a new year of planning and redesign, we will be working hard to stimulate student involvement in College policy-making as well as to encourage greater faculty participation. We will push hard for the needed dining center and continue the area guidance and counseling service. We will continue our operational support of the C.C.E.B.S. Program and institute another counselor assistant program for both black and white students.

A new residential-educational program called Innisfree will begin next year with 50 men and women students (30% freshmen). Students in this program will take a course for elective credit in group interaction and community. They will live in corridors of two residence halls set aside for this program. This is an experiement to evaluate and plan a true living-learning educational environment. To further integrate the administration of the College, the Office of the Master and those of the Office of Student Affairs will be located together in Emily Dickinson House. Construction of these offices will begin this summer.

As an addition to the staff, a graduate student in student personnel services will act part time as the Orchard Hill Business Manager and be responsible for all housing affairs.

The Orchard Hill Residential College is well on its way to becoming a unique educational experience within the University of Massachusetts. Next year's planning will set the course for further program, physical and budgetary needs.

Respectfully submitted,

Donald T. Tepper
Area Coordinator
Orchard Hill Residential College

June 22, 1969

DTT/cmu

NORTHEAST AREA ANNUAL REPORT
1968 - 1969

In 1966-67 the Northeast Area Coordinator began the annual report with the statement: "This has been a transition year in many ways...". Just as that first year of decentralized student personnel services was one of transition, so this year was one of change.

In June 1968, a new Area Coordinator was named. Added to the staff were an Assistant Area Coordinator (graduate assistant), a staff training consultant, and two Grade 08 Assistant Housing Officers (shared with the Orchard Hill and Central Areas). Personnel changes at the residence hall level included the retirement of one Head of Residence and the resignation of three others.

Structurally, with the creation of the Orchard Hill as a separate "area", the Northeast Area existed as 1400 students in nine residence halls seven women's houses and two men's houses. In September 1968, Hamlin House was converted into a male residence hall and Lewis House was brought back into service after major renovations.

Staff and student philosophy, attitude, and a concern for education and living arrangements, were the keys to change in the area.

The Northeast Area physically existed in September 1968. Like other "areas" it suffered from a partly decentralized program which obligated it to follow many of the programs, policies, etc., of the larger University. More than this, the Northeast Area was restricted by years of "traditional" policies and regulations. Few or no social, cultural, or governmental programs existed on an area basis.

Major Accomplishments

Listed as the single most outstanding accomplishment of the year is the belief that through staff and student involvement, a Northeast Area identity began to exist; residence halls and individuals became more aware and involved; trust and confidence (student for administration, and vice-versa) developed; and most important of all, there was a desire to make the area more than a place to sleep.

Most of the other accomplishments and programs can be directly related to this new attitude.

Major Programs

Fall orientation for freshmen involved a great number of faculty. Approximately forty-five of these faculty were assigned to meet with freshmen groups in each residence hall.

In 1964-65 the Department Area Coordinator began the [illegible] [illegible]: [illegible] a [illegible] with [illegible] [illegible] [illegible]

The students developed new programs and ideas: "The Free University", a series of eight "courses" taught by University faculty, for no credit, in the Northeast Area residence halls; an area newspaper, the Northeast Passage, published once a week; the opening of the "Little Hatch", in the Worcester Commons, from 7:30 A.M. to 11:00 P.M. every day; experimental programs; and several area and residence hall social and cultural functions.

Initially, Area Government consisted of the nine residence hall presidents meeting together to discuss area wide problems and programs. In March 1969, these house presidents developed an area constitution and formally held elections for an area government called the Northeast Congre

Aside from an initial screening of 150-175 applicants for the position of Head of Residence, individual residence hall student committees in four Northeast residence halls interviewed and selected their own Head of Residence. An Ad-Hoc Committee of students decided not only how their counselors would be selected but who would select them.

The staff itself developed its own programs. Among these were a "Drug Symposium" presented to the students and counselors in the area, which involved the Hampshire County Deputy Sheriff, three drug addicts (inmates at the Hampshire County Jail), Dr. Gage, and Dr. Susan Anderson; and a two week "Awareness and Experience" program designed to involve Heads of Residence in experiences and programs related to their role in our residence halls.

The new area maintenance crew program has proved to be one of the biggest factors in keeping both student and "wear and tear" damage to a minimum, as well as keeping student morale high, through quick and efficient repair work.

Problems

No program is without problems and concerns. In evaluating the year, Heads of Residence, counselors, house governments, and others, listed as a major concern the lack of adequate (in numbers and construction) furniture both in lounges and student rooms. Appeals for new and better furniture appeared in annual reports in the Central and Northeast Area (State residence halls) three years ago. Any furnishings which can be made available to these residence units would appear to be an urgent and sound investment.

The counselor training program, the role of the counselor in the residence halls, and lack of program funds, were also listed as concerns by the residents of staff of the area.

Future Plans

As an "area" identity develops, we perceive unlimited possibilities for staff and student programs. For the immediate future, we see more

[illegible]

[illegible]

[illegible]

male students being involved in the area; a more diversified, realistic approach to counselor training, paralleled by a similar program for house governments; an evaluation of the counselor position; faculty involvement, designed by the students at both the residence hall level and area level; a determined program to purchase new furniture; a desire for community service which will involve students in community projects and programs (i.e., Hampshire County Jail, State Hospital,etc.); a stronger emphasis on Freshman Orientation, including a continuous follow-up program (Freshman Forum) designed to acquaint the freshmen with all of the academic programs; creation of office space for the area government, and expanded office and meeting space for the Area Coordinator's staff; expansion of Heads of Residence apartments; and the addition of a full time Assistant Area Coordinator.

Conclusion and Summary

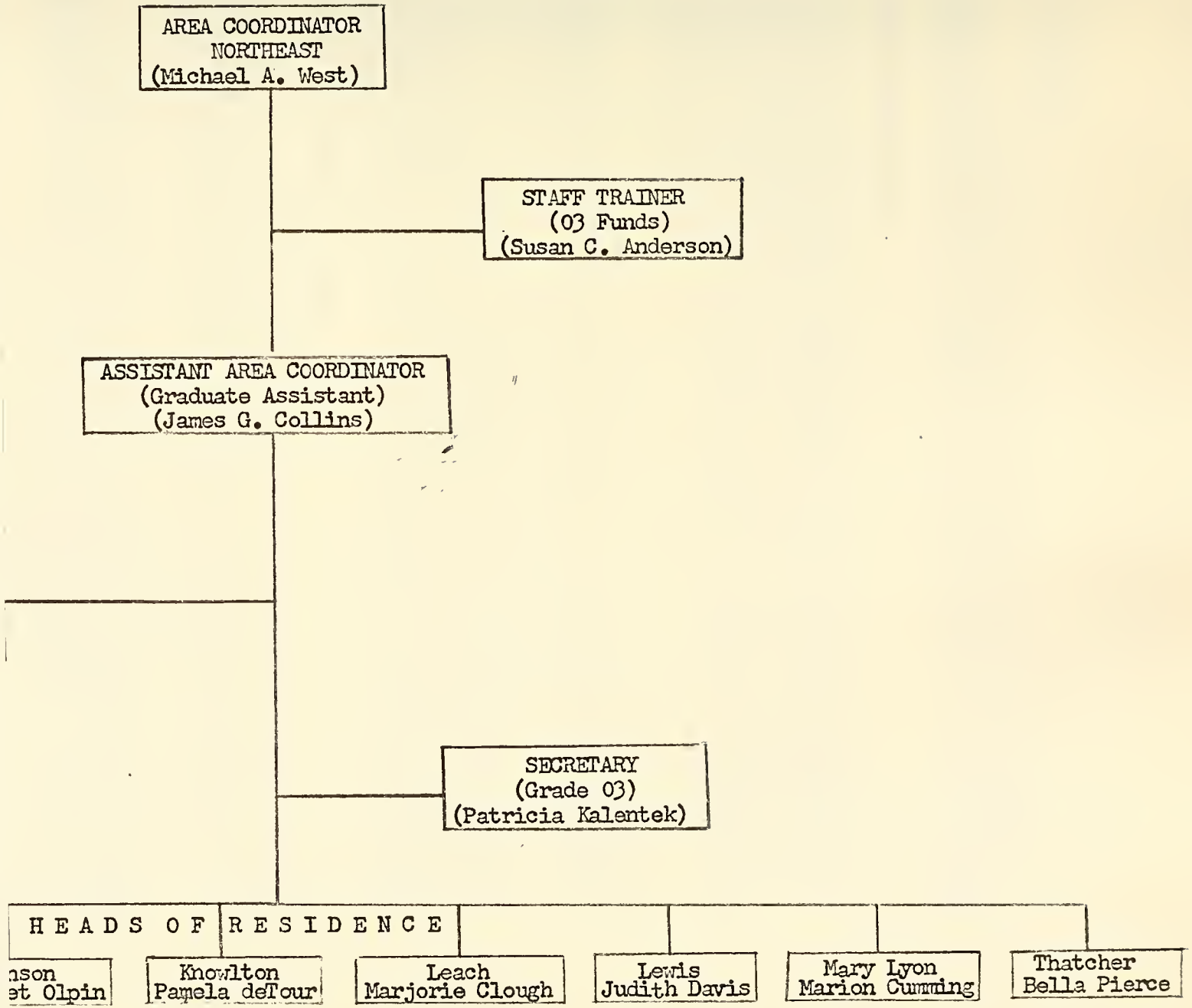
We have made a good beginning but much more needs to be done. The potential for educational benefits, programming, and student government have become more fully realized, but there are still other areas of concern.

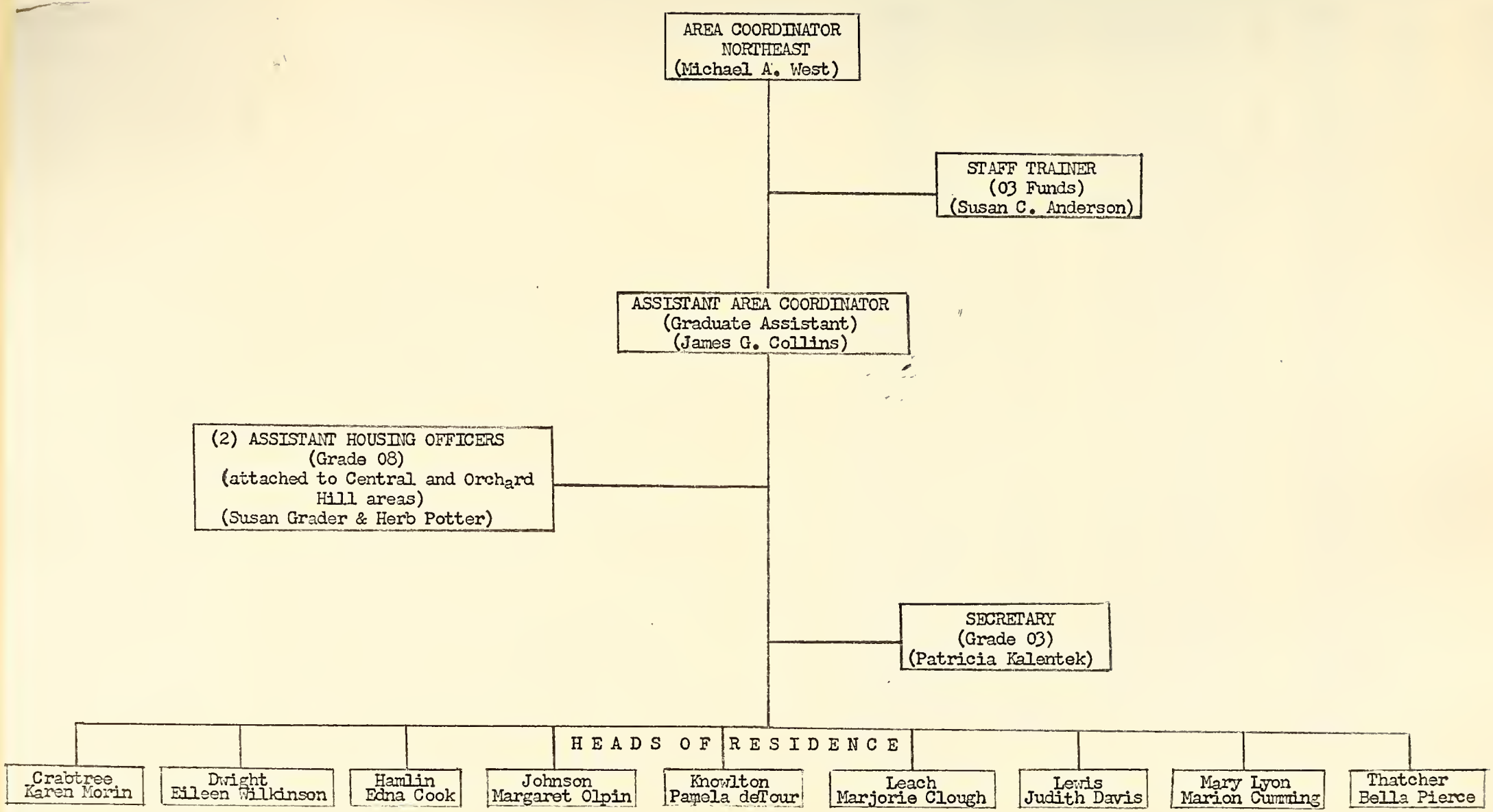
Financial priorities, area programming, staff positions and commitments, and rules and regulations, all should be re-evaluated and re-designed in light of developing residence areas.

Faculty must become more involved in residence areas. Students should be urged to develop faculty involved programs.

And finally, Area Coordinators should be allowed to administer their own areas, especially in policy and financial matters.

Michael A. West
Northeast Area Coordinator


AREA COORDINATOR
NORTHEAST
(Michael A. West)
STAFF TRAINER
(03 Funds)
(Susan C. Anderson)
ASSISTANT AREA COORDINATOR
(Graduate Assistant)
(James G. Collins)
SECRETARY
(Grade 03)
(Patricia Kalentek)
HEADS OF RESIDENCE
nson
et Olpin
Knowlton
Pamela deTour
Leach
Marjorie Clough
Lewis
Judith Davis
Mary Lyon
Marion Cumming
Thatcher
Bella Pierce


AREA COORDINATOR
NORTHEAST
(Michael A. West)
STAFF TRAINER
(03 Funds)
(Susan C. Anderson)
ASSISTANT AREA COORDINATOR
(Graduate Assistant)
(James G. Collins)
(2) ASSISTANT HOUSING OFFICERS
(Grade 08)
(attached to Central and Orchard Hill areas)
(Susan Grader & Herb Potter)
SECRETARY
(Grade 03)
(Patricia Kalentek)
HEADS OF RESIDENCE
Crabtree
Karen Morin
Dwight
Eileen Wilkinson
Hamlin
Edna Cook
Johnson
Margaret Olpin
Knowlton
Pamela deTour
Leach
Marjorie Clough
Lewis
Judith Davis
Mary Lyon
Marion Cumming
Thatcher
Bella Pierce

Annual Report - Southwest Residential College

Paul W. Brubacher, Assistant Dean of Students

Introduction

In the fall of 1968, 3 new residence halls and one new dining commons were opened in the Southwest Residential College. The student population increased to 5400, Heads of Residence or Residence Directors increased to 26, and undergraduate counselors increased to 180.

Major Accomplishments

1. The major accomplishment for the year was a reorganization of major student personnel staff to deal with the increasing growth of the Area. The Southwest Area was divided into three sub-Areas, each with its own Area Coordinator and each with a substantial degree of autonomy. The Assistant Dean of Students provided overall supervision but allowed each sub-Area to develop its own distinct climate. In addition, the staff included a Counselor and Training Consultant who served as a resource person for each of the sub-Areas.

2. A second major accomplishment was the development of a Business Office and a Maintenance Office for the Area. The Business Office had responsibility for damage billing, purchasing, and inventory. The Maintenance Office provided very effective repair and custodial service.

3. A third major accomplishment was the development and implementation of a comprehensive staff training program for the Area. Throughout the year residence hall counseling staffs met in brother-sister house pairings for human relations training. Counselors for 1969-70 were selected earlier than usual so that they could have an eight-week pre-training program during the Spring semester.

Special Projects or Programs

1. Special attention was given to the development of the Southwest Area Assembly which was in its first year of operation. By midyear, the Assembly was well organized and generally accepted by Area residents. Area autonomy is becoming a reality; the Assembly was granted $9,000. by the Student Senate for Area programming for the coming year.

2. In line with our general philosophy that Southwest should offer as many living options as possible to its students, we gave support to a variety of new programs proposed by students and staffs in Southwest residence halls. Following is a brief description of some of these options:

a. Project 10 - a freshman-sophomore program with close student-faculty relationships, undergraduate teaching residents, a large number of freshman-sophomore classes taught within the Project, a high degree of student autonomy in governance.

b. Mackinnie House - an upperclass male house in which students have established a basically quiet, responsible house.

c. Washington Lower - Two undergraduate students were in charge of the house and a faculty member lived in the house apartment.

d. Washington Middle - A faculty member lived in the house apartment while the Resident Director and four graduate students lived on student floors. All of these staff members were very active in developing academic and cultural programs for the house and its sister house.

e. Cance House - Next year Cance House will have no staff in the traditional sense. Instead, it will be run by a Tenant's Association comprised of 10 students and a faculty member who will serve as a program facilitator.

3. Students were increasingly involved in decision-making, formerly the province of staff only. A member of the Area Assembly was included in the weekly Area Staff meeting. Also, students in individual houses were intimately involved in the selection process for new Heads of Residence.

Future Plans and Needs

1. In many ways the Southwest Residential College, like the other residential areas, is becoming more and more autonomous. It has its own student affairs staff, its own academic and cultural program directed by the Master, its own dining commons, its own maintenance crew, its own business office, and its own student government. With this in mind, we would propose greater fiscal autonomy and greater recognition of the specialized needs of the Area.

In support of our academic program we need space (student rooms preferably) for faculty offices and for live-in faculty residents. With respect to this latter request, possibly two or three student rooms could be converted into a second apartment in various of our residence halls.

2. We need recreation space both inside our residence halls and on the athletic fields adjoining the Area. We would like to create exercise rooms in each hall and we wish to build basketball courts and handball courts close to the complex.

3. We need more office space to house our growing staff and to meet the needs of student activities in the Area. This year two Area Coordinators had to share an office and this proved to be an undesirable arrangement. The Area Assembly and Area Judiciary need space and there is some hope we can create a Black Center for the Area.

4. Each of the three Southwest Area Coordinators is responsible for 8 or 9 residence halls, which include 8 or 9 Heads of Residence, approximately 60 counselors, and approximately 1800 students. We feel it is essential that each Area Coordinator be assigned as assistant, even if he is a part-time graduate assistant.

5. The various business, maintenance, and custodial operations in the Area require central coordination. We propose the creation of the position of Business Manager to coordinate all of these activities.

Attachments: Annual Reports of Joanne Brewer and Thomas Trotman, Southwest Area Coordinators.

ANNUAL REPORT - AREA III Joanna Brewer

Major Accomplishments

Two major goals were established at the beginning of the 1968-69 academic year. The first of these concerned the Head of Residence staff and the working relationship of these individuals with each other and the Area Coordinator. It was hoped that this group could provide both identity and support for one another and thereby increase the effectiveness of each individual.

A second major goal was to create an atmosphere in which each House--through its Head of Residence, counseling staff, and student government--would feel free to explore various alternatives to traditional residence hall living. This goal was established in order to foster the ideal of providing students with alternatives for housing within the residential college.

Each of these goals has been realized to some extent. Group identity among the Heads of Residence began to develop early in the year. By creating an informal pattern of staff meetings and personal contacts, individuals soon overcame their fears of each other and established close-working relationships. Individuals were thus able to gain support and understanding within the group, and it became a place to try out new ideas and receive helpful feedback. Each member became identified as contributing different talents and perspectives and was thereby able to provide challenge and initiative to other members. Through the development of this group, each Head of Residence was able to identify certain unique qualities in himself and in his houses that he felt encouraged to foster.

Special Projects

Projects within this area were many and varied. They ranged from traditional House functions--such as classes, faculty dinners, special lectures and seminars--to several unique and experimental programs.

The most significant special project within the area was Project-10, an experimental "living--learning" unit designed for freshmen students. Within this project, primary responsibility for academic and social programing was in the hands of the students. Faculty members who taught classes within the Project also took an active part in the planning and implementation. It would take pages to adequately evaluate this project, but several important implications seem to have emerged from this experience.

The primary achievement of Project-10 seems to have been the creation of a community identity. Students within the Project have been able to develop real feelings of commitment both to individuals within the community as well as to the community at large. In addition to the development of this community identity, students have assumed genuine interest in affecting their own educational experience. A number of students have been seen expending great amounts of energy in attempting to shape their own educational environment. Energy has been invested into social areas as well. Students have assumed primary responsibility in dealing with problems concerning living arrangements.

A second significant project within the area was a special Orientation Program that took place between Patterson and Washington Middle. This program was designed and implemented with the help of two representatives from the campus ministry. The program ran over a four-day period and was designed to help students gain greater insight into the institution of Higher Education and the society at large. This program had far-reaching impact in that the students within these two houses designed long-term programs for the year. Special seminars were developed as well as special scheduling of classes, so that the students were able to continue questioning and growing together.

Other significant projects within the area included several Black - White programs. drug seminars, drama and art productions, and honors colloquiums.

An additional development that deserves attention is a special staffing pattern that was implemented in Washington Lower House. Rather than employ the traditional "Adult" Head of Residence in this House, two undergraduate students functioned in this capacity along with the help of a faculty resident. These two students assumed all the responsibilities of a normal Head of Residence in addition to being full-time students.

Future Plans and Recommendations

In evaluating this past year, several recommendations seem apparent.

The area in which the most progress has been made is in the working relationships of the Heads of Residence. These relationships have been essential to the total development of the area. It would be hoped that this same kind of group identity could be fostered in the year to come and encouraged to develop even further. This development has far-reaching implications in that it helps to provide a model of behavior for individual house staffs to follow in their working relationships.

In addition to this, it would be hoped that individual houses could be challenged to an even greater extent to develop alternatives for residential living. In these houses where a special identity has been developed, it would seem realistic to make use of their ideas and enthusiasm in helping other houses to move in this direction.

Another apparent objective for the coming year would be to increase the opportunities for students to take a real part in designing their own educational experience. The evidence produced by Project-10, as well as Washington Middle and Patterson, seems to support the idea that students will expend energy in this direction if given the freedom and challenge to do so.

In line with this objective, the continuation of the experiment in Washington Lower seems essential. While this past year has produced some dead ends in realizing the full potential of this staffing pattern, the students and faculty members selected for the coming year promise to be more successful. It would be hoped that this concept could be employed in more houses in the future.

One major problem in providing students with the freedom to take responsibility for their own affairs is that many do not possess the leadership skills required for implementation of ideas and programs. This became evident in several of the houses during the past year. A suggestion for the coming year would be to develop some kind of leadership training experience for students who are chosen to take an active part in the houses, be they student government officers or just interested house members.

As was stated before, a complete evaluation of Project-10 would be too copious for this report. However, one recommendation that is relevant to the Area Coordinator's position is that close continuous contact be made with the Project. It was extremely beneficial during this past year to be involved at all levels in the day-to-day operation of this program.

Several recommendations can be made in reference to the relationship of one Area Coordinator to the total Southwest complex. During this past year a great deal of autonomy has been granted to each Area Coordinator to function within his own sub-areas. This autonomy has been essential to the effectiveness in Area III. Each Area can be seen to possess characteristics unique to itself. The autonomy granted me this year has made it possible to develop the Area in the directions that it has taken. It would seem essential that this same design be employed next year.

In line with this autonomy, separate office facilities for each of the Area Coordinators is a strong recommendation. It is virtually impossible to function effectively while sharing an office. It would also seem to be beneficial if the Area Coordinators could move out into parts of the complex that are easily identified. Area III's Coordinator would be much more accessible if she were located in either John Q. Adams Tower or in George Washington Tower. It would also be hoped that assistants could someday be hired for each Coordinator. This would greatly increase the effectiveness of the total operation.

ANNUAL REPORT Thomas H. Trotman

Major Accomplishments

Continuing efforts were made toward developing individuality in the houses, as well as alternative types of living environment. Also, expanded house government responsibility was pushed forward, largely through the efforts of the Counselors and Heads of Residence.

Special Projects

1. Sex Education Program - A pilot project developed and operated by the Mental Health Department and the Infirmary. The aim of the program is to train a group of students in the psychological and the physical aspects of human sexuality. These people would form a nucleus of reasonable, informed individuals, readily available to students in the residential halls. Five sessions were held this Spring. The program will be continued this Fall and will ultimately be offered to other areas of the campus.

2. Drug Education Program. The Lower House of J.F.K. conducted a drug program which was open to all eight houses in the area. The program was conducted with the cooperation of the Northampton Jail, and included three inmates incarcerated for drug use. Two or three decision groups, lead by counselors, developed out of this program and continued for two or three weeks. We hope to expand this program for next year and add University resource people to the decision groups in an attempt to make the program a continuous one.

Future Plans

1. Two houses through the Counselor Training Program began, in depth, to work with Black-White attitudes. This is not an encounter group but rather an attempt at exploration of attitudes. Bill Madaus and Francis Matlhare have been enlisted as resource people. The group had one meeting this Spring and will have four or five meetings this Fall. If successful, and time permitting for the resource people, the program would be open to the other three Counselor Training Groups in my area.

2. An academically oriented co-ed living proposal was put forth this Spring by a group of students. For technical reasons, primarily the lack of time, this was not successful. Support was sufficient, however, to indicate that given additional planning this could be a productive program. Planning will undoubtedly resume in the Fall.

3. Drug Program - Research is being conducted this summer by one of the Heads of Residence. The attempt is to draw together campus resources (formal and informal) and community resources to develop an on-going drug education program. The rehabilitation value for students already on drugs will probably be limited. Hopefully, we will at least be able to offer those questioning their use of drugs some initial place to go and talk about the situation.

Major Accomplishments of the Area.

1. Sharp decrease in amount of student damage through the implementation of a new billing procedure.

2. Sharp increase in speed and quality of maintenance services through development of area office and cooperation of residence hall staff with the office.

3. Increased attention given by staff to providing referral services for students and to the incorporation of faculty into residence hall programs.

4. Greater degree of success experienced with the counselor training program.

5. Greater encouragement given to student initiative in planning residence hall life.

6. Sharp increase in the providing of academic and personal counseling services through Area Coordinators' office.

Special Projects or Programs in Area:

1. Several programs for underprivileged children from Springfield by Cance and Calvin Coolidge Lower.

2. Several attempts at developing informal classes or siminars by Cance, Coolidge Upper and Lower, and John Adams Upper.

3. Attempt at working with students involved with drugs through group counseling methods in Cance.

4. Students in Cance initiated a program where the administration of the House will be handled by a Tenants Association rather than a traditional staff of counselors.

5. Students in John Adams attempted to pursue the idea of "house autonomy" by submitting letters to the University President, Provost, Dean of Students, Assistant Dean and Master of Southwest.

6. Students in Mackimmie House followed through with a discussion of Black-White relations after students from the house had been involved in an interracial fight.

7. Initiation of vocational counseling services on Monday evenings in conjunction with draft and academic counseling.

Future Plans and Needs

1. Staff workshop in Fall for Heads of Residence, Resident Directors and Counselors. Money needed for speakers and films.

2. Funds needed for increases in library facilities, films, books, etc.

3. Development of consulting teams of community development workers for each residence hall. These teams should include both academic and counseling representatives as well as those with special abilities in Black-White relations and drug education.

4. Development of a full year orientation program for freshmen with a special program for swing shift freshmen in the summer and spring semesters.

5. More emphasis to be placed on working with students involved with the use of drugs through group counseling methods within the residence halls.

6. Additional funds needed for staff development and training, as well as an increase in counselors pay.

7. Additional funds needed to provide Resident Directors and Heads of Residence with a meal ticket which would permit them to eat one meal a day in the Dining Commons.

8. Funds needed for adjustment in Resident Directors pay from $2,500. to approximately $3,500. or $4,000.

OFF-CAMPUS HOUSING

Annual Report

July 1, 1968 - June 30, 1969

In August the Off-Campus Housing Office became independent of the Housing Office and within its newly-created autonomy attempted to improve the service role in assisting students, faculty, and staff in their search for housing.

Faculty - Staff

Procedures were instituted whereby Deans and Department Heads were informed of the facilities available to new appointees as well as to those desirous of renting property while on sabbatical. Attempted matching of both parties proved highly successful.

Students

A three-year study of student off-campus housing was conducted. The 1968-1969 off-campus population represented approximately 5,500 students, the majority of whom procured housing through the 560 multiple-family dwellings and 1,135 complex units listed in the office.

During the year undergraduate residency of apartment developments exceeded that of 1967-1968 by 185% and graduates by 90%. In analyzing apartment complex availability it was found that increased student occupancy of newly constructed apartment units corresponded directly with the availability of said dwellings. Therefore, if the projected enrollment figures materialize and if it is to be University policy to discontinue building residence halls, the resultant student housing need must be fulfilled by an increase in private apartment development.

University-Owned Apartments

In performing as a resident manager for the 49 University and 104 Lincoln apartments, occupancy level increased to 98.6% as opposed to 97.8% experienced in 1967-1968. With an existing waiting list of 271 applicants for Lincoln and 32 for University, vacancy time of a specific apartment is dependent upon the duration necessary for renovation. Therefore, said decrease in vacancy rate may be attributed to the excellent cooperation received from Physical Plant.

In light of escalating costs of labor, material, and utilities, an Ad Hoc Apartment Committee (Messrs. Grady, Brand, Noffsinger, West) was formed and a report of its findings on the feasibility of the present rental structure was submitted to the President, Provost, and Treasurer.

In an effort to adjust present policy governing University-Owned Apartments, a Study Committee is being created, with representation from the Student Senates, Provost's Office and Business Manager's Department. Policies to be reviewed include assignment priorities, rent structure, occupancy tenure, damage and/or loss reimbursement, and security deposit.

James West

James West

JW/lmf

STUDENT AUTOMATIC SERVICE

Annual Report

July 1, 1968 - June 30, 1969

A three year vending program, involving the Coca-Cola Bottling Company, Hillside Dairy, Snow's Dairy, and Canteen Corporation, terminates June 30, 1969. During said years, the University has realized a total net income of $244,390.

Net Income Statement
1966-1969

	Actual 1966-1967	Actual 1967-1968	Estimated 1968-1969
Income	$90,217.57	$100,081.27	$111,628.00
Expense	20,662.06	18,175.21	18,700.00
Net Income:	$69,555.51	$ 81,906.06	$ 92,928.00

A bidding process was initiated in January, entailing invitations to forty Vendors, specifications to, and meetings with eleven companies, and the receipt and opening of six proposals. In April a Vending Committee (Messrs. Scanlon, Bishop, Marcus and Silverman) awarded three-year contracts (1969-1972) to Coca-Cola Bottling for carbonated beverages, cigarettes, pastry, candy, hot drink, and hot food; and to Maple Hill Farms for milk and ice cream.

While the 1969-1972 commission paid per vended item will be 6 per cent lower than that of 1966-1969, it is felt that said Vendors' proposed service program and proven experience will provide maximum customer satisfaction, thereby generating greater sales volume, resulting in increased commission totals.

Retailing

Due to increases in the wholesale, labor, and equipment costs, and in the tax structure, the retail price of vended cigarettes rose 5-cents to 40-cents per pack. Consumer opposition proved negligible with an increase in sales and commission rate providing a $7,133 revenue gain over that of 1967.

There are 666 vending machines presently housed on campus, representing an annual addition of 56 machines. The opening of three new residence halls (Moore, Cance, Pierpont) accounted for 34 new installations with the balance placed in existing residence halls and

administrative buildings. An additional 35 machines is projected for 1969-1970. In fulfilling student requests, the feasibility of installing varied coin-operated machines, e.g. jukeboxes, pooltables, etc., will be explored.

Quality Control

Weekly vending machine surveys and milk samples were taken by Mr. Laurence Marcus to insure Vendors' compliance with the Massachusetts Sanitation Code. A cooperative arrangement, whereby Mr. Marcus conducted residence hall kitchenette inspections for Environmental Health and Safety, was initiated.

Consumer Involvement

Students proved responsive and responsible in their individual and collective involvement with the campus vending program. A successful relationship with the Student Senate and Southwest Assembly Service Committees, as well as certain House Governments, was experienced, with active participation in the writing of contracts, selection of Vendors, choice of machine type and product mix, and programming of service.

In contradiction, 82 vending machines were vandalized representing a $3,258 financial loss.

	Machines Damaged	Financial Loss
1966-67	46	$ 794.
1967-68	101	2,710.
1968-69	82	3,258.

An increase in the severity of damage illuminates a need for interpreting Part I, Section II, Article C of the Code of Student Conduct which reads in part: "...damage or destruction of such property (owned by a guest of the University)...may result in separation from the University or such lesser sanction as may be judged appropriate," to include property of the Vendor.

James West

James West

JW/lmf

ANNUAL REPORT

MANAGER, CAMPUS CENTER-STUDENT UNION

UNIVERSITY OF MASSACHUSETTS

1969

PREFACE

This report of the Campus Center covers all departments within the Student Union and the Student Activities - Recognized Student Organizations departments.

TABLE OF CONTENTS

	PAGE
The Campus Center	1
Student Union General Fund Income Statement	2
Student Union Food Services Income Statement	3
Student Union Reserve Fund	4
University Store Income Statement	5
University Store-Boston Income Statement	6
Personnel Schedule	7-8
Student and Clientele Schedule - Facility Usage	9
Statistics	10
Professional Activities	11, 12
Organizational Charts	13, 14
In Conclusion	15, 16, 17

THE CAMPUS CENTER - which will be comprised of the new ten story Murray D. Lincoln Campus Center, a 900+ car garage and the Student Union Building, should open on or about January 1, 1970.

With an established staff in many departments of the existing Student Union, few management changes or additions have been made. The planning for fall operations and the opening or transfer of many departments to the new addition will bring several changes. New trust fund accounts will be established, the Campus Center budget, expected to be approved in September 1969 will provide for the needed organizational and added personnel changes.

It should be noted that all income is derived from student fees plus sales. No State appropriated tax funds go into the operation of the Campus Center or the Student Union.

STUDENT UNION
GENERAL FUND
INCOME STATEMENT
(For the Periods Ended June 30, 1966, 1967, 1968, and March 31, 1969)

	6/30/66	6/30/67	6/30/68	3/31/69 (1)
evenue				
Student Fees	$221,510.00	$253,821.00	$28,148.00	---
Less: Debt Service	100,000.00	120,000.00	---	---
	$121,510.00	$133,821.00	$28,148.00	$ ---
Transfer from Univ. Store	55,000.00	55,000.00	175,000.00	$ 75,000.00
Transfer from Food Service	60,000.00	60,000.00	40,000.00	40,000.00
Student Senate Appropriation	12,000.00	14,000.00	18,000.00	20,000.00
Check Cashing Service Fees	---	---	---	7,245.00
Rental and Custodial	7,967.00	8,109.00	8,954.00	6,099.00
Conference Office (Net)	222.00	3,082.00	2,456.00	(33,932.00)
Ticket Office	5,193.00	6,589.00	8,247.00	10,316.00
Games Area (Net)	4,859.00	(992.00)	446.00	1,361.00
Duplicating and Printing (Net)	(1,306.00)	1,200.00	3,687.00	(454.00)
Miscellaneous Income	7,142.00	5,968.00	6,623.00	4,416.00
Total Revenue	$272,587.00	$286,777.00	$291,561.00	$132,051.00
xpenses				
Administrative	$113,154.00	$ 99,437.00	$111,585.00	$114,668.00
Maintenance	84,264.00	70,609.00	81,924.00	59,002.00
Student Activities	37,611.00	69,362.00	73,899.00	58,724.00
Transfer to Reserve Fund	15,518.00	16,732.00	---	---
Total Expenses	$250,517.00	$256,140.00	$267,408.00	$232,394.00
et Income (Loss)	$ 22,070.00	$ 30,637.00	$ 24,153.00	($100,343.00)

(1) Student Union financial statements are prepared on a quarterly basis. June 30, 1969 statements will be available on August 1, 1969.

(2) R.S.O. Office
Program Office
Student Union Scheduling Office

FOOD SERVICES
INCOME STATEMENT
(For the Periods Ended June 30, 1966, 1967, 1968 and March 31, 1969)

	6/30/66	6/30/67	6/30/68	3/31/69 (1)
es				
latch	$584,728.00	$533,675.00	$567,355.00	$417,996.00
Commonwealth	19,273.00	49,134.00	39,663.00	34,125.00
Catering	80,574.00	62,355.00	58,082.00	48,778.00
Total Sales	$684,575.00	$645,164.00	$665,100.00	$500,899.00
st of Goods Sold	302,072.00	272,678.00	274,603.00	214,187.00
ross Profit on Sales	$382,503.00	$372,486.00	$390,497.00	$286,712.00
erating Expenses				
Payroll-Regular	253,345.00	262,709.00	265,384.00	193,074.00
Payroll-Student	15,162.00	15,872.00	12,173.00	20,990.00
Employees' Group Insurance	2,916.00	3,466.00	3,740.00	4,210.00
Supplies	30,696.00	23,313.00	28,913.00	22,470.00
Telephone	567.00	547.00	656.00	609.00
Postage	---	---	---	126.00
Advertising	104.00	305.00	193.00	346.00
Travel and Education	504.00	311.00	396.00	212.00
Uniforms	10.00	31.00	141.00	47.00
Linen	---	---	---	28.00
Laundry	7,746.00	7,041.00	5,864.00	5,147.00
China and Silver	3,750.00	1,962.00	3,102.00	3,955.00
Repairs and Maintenance	2,450.00	2,771.00	2,424.00	1,932.00
Utilities	562.00	645.00	556.00	144.00
Depreciation	3,793.00	5,236.00	5,446.00	---
Miscellaneous	581.00	119.00	125.00	278.00
Total Expenses	$322,186.00	$324,328.00	$329,113.00	$252,968.00
t Income from Operations	60,317.00	48,158.00	61,384.00	33,744.00
her Income				
Vending & Juke Box	2,519.00	3,076.00	1,411.00	1,006.00
Miscellaneous	2,969.00	2,232.00	2,667.00	2,443.00
Total Other Income	$ 5,488.00	$ 5,308.00	$ 4,078.00	$ 3,449.00
her Expenses				
Transfer to General Fund	64,792.00	67,283.00	47,921.00	40,000.00
Transfer to Reserve Fund	13,435.00	14,878.00	---	---
Total Other Expenses	$78,227.00	$82,161.00	$47,921.00	$40,000.00
et Income (Loss) for Period	($12,422.00)	($28,695.00)	$17,541.00	($ 2,807.00

STUDENT UNION
RESERVE FUND
Statement of Receipts, Disbursements and Balances
For the Periods Ended June 30, 1966, 1967, 1968 and March 31, 1969

	6/30/66	6/30/67	6/30/68	3/31/69 (1)
Balance - July 1	$148,654.00	$186,063.00	$117,733.00	$79,617.00
Receipts:				
Transfer from General Fund	15,518.00	16,732.00	---	---
Transfer from Food Service	13,435.00	14,878.00	---	---
Transfer from Univ. Store	4,590.00	5,202.00	---	---
Interest on Savings Accounts	3,866.00	4,833.00	5,947.00	4,409.00
Total Receipts	$ 37,409.00	$ 41,645.00	$ 5,947.00	$ 4,409.00
Disbursements:				
General Fund	---	$ 34,862.00	$ 23,554.00	$ 8,392.00
Food Service	---	56,967.00	20,509.00	---
University Store	---	18,146.00	---	---
Total Disbursements	---	$109,975.00	$ 44,063.00	$ 8,392.00
Balance - June 30	$186,063.00	$117,733.00	$ 79,617.00	$75,634.00

(1) Student Union financial statements are prepared on a quarterly basis. June 30, 1969 statements will be available on August 1, 1969.

STUDENT UNION
UNIVERSITY STORE
INCOME STATEMENT
For the Periods Ended June 30, 1966, 1967, 1968 and March 31, 1969

	6/30/66	6/30/67	6/30/68	3/31/69 (1)
es				
ooks	$ 826,788.00	$ 984,377.00	$1,164,574.00	$1,122,303.00
pplies	473,954.00	551,538.00	607,014.00	468,939.00
otal Sales	$1,300,742.00	$1,535,915.00	$1,771,588.00	$1,591,242.00
st of Goods Sold	996,561.00	1,152,589.00	1,355,870.00	1,220,186.00
ss Profit on Sales	$ 304,181.00	$ 383,326.00	$ 415,718.00	$ 371,056.00
erating Expenses				
yroll-Regular	105,013.00	139,851.00	165,009.00	159,960.00
yroll-Student	12,768.00	16,207.00	12,324.00	12,472.00
ployees'Group Insurance	1,142.00	1,348.00	1,497.00	1,734.00
surance	2,119.00	3,433.00	3,901.00	3,843.00
pplies	2,268.00	2,618.00	4,996.00	1,466.00
elephone	843.00	1,504.00	1,306.00	1,433.00
stage	1,092.00	2,358.00	1,185.00	1,917.00
dvertising	317.00	272.00	406.00	514.00
avel and Education	512.00	754.00	676.00	655.00
ubtful Accounts	---	---	---	---
epairs and Maintenance	1,138.00	3,567.00	3,151.00	1,889.00
tilities	---	---	---	---
epreciation	2,615.00	3,019.00	1,960.00	---
scellaneous	4,633.00	10,294.00	11,604.00	13,225.00
otal Expenses	$134,460.00	$185,225.00	$208,015.00	$199,108.00
t Income from Operations	$169,721.00	$198,101.00	$207,703.00	$171,948.00
er Income				
erox Services (Net)	6,555.00	10,207.00	(237.00)	---
boratory Fee Commissions	7,304.00	8,227.00	8,629.00	9,213.00
st Office	4,000.00	5,375.00	5,958.00	3,667.00
bby Counter (Net)	(899.00)	(4,047.00)	(3,146.00)	5,510.00
scellaneous	1,342.00	278.00	366.00	1,254.00
otal Other Income	$18,302.00	$20,040.00	$11,570.00	$19,644.00
er Expenses				
ansfer to General Fund	59,929.00	63,292.00	186,364.00	75,000.00
ansfer to Reserve Fund	4,590.00	5,202.00	---	---
otal Other Expenses	$64,519.00	$68,494.00	$186.364.00	$75,000.00
t Income (Loss) for Period	$123,504.00	$149,647.00	$ 32,909.00	$116,592.00

(1) Student Union financial statements are prepared on a quarterly basis. June 30, 1969 statements will be available on August 1, 1969.

STUDENT UNION
UNIVERSITY STORE-BOSTON
INCOME STATEMENT
For the Periods Ended June 30, 1966, 1967, 1968 and March 31, 1969

	6/30/66	6/30/67	6/30/68	3/31/69 (1)
ales				
Books	$71,217.00	$121,325.00	$162,625.00	$
Supplies	18,705.00	22,123.00	27,888.00	
Total Sales	$89,922.00	$143,448.00	$190,513.00	$
ost of Goods Sold	70,605.00	109,564.00	148,005.00	
ross Profit on Sales	$19,317.00	$ 33,884.00	$ 42,508.00	$
perating Expenses				
Payroll-Regular	9,548.00	10,905.00	13,712.00	
Payroll-Student	1,833.00	5,959.00	8,073.00	
Employees'Group Insurance	---	---	21.00	
Insurance	80.00	86.00	---	
Supplies	152.00	150.00	104.00	
Telephone	---	---	---	
Postage	72.00	68.00	449.00	
Advertising	---	95.00	69.00	
Travel and Education	---	---	---	
Doubtful Accounts	---	---	---	
Repairs and Maintenance	67.00	300.00	1,853.00	
Utilities	---	---	---	
Depreciation	---	831.00	589.00	
Miscellaneous	1,233.00	1,506.00	6,143.00	
Total Expenses	$12,985.00	$19,900.00	$31,013.00	$
et Income from Operations	$ 6,332.00	$13,984.00	$11,495.00	$
ther Income				
Xerox Services (Net)	(255.00)	(1,038.00)	(946.00)	
Laboratory Fee Commissions	646.00	1,352.00	1,828.00	
Miscellaneous	---	---	---	
Total Other Income	$391.00	$ 314.00	$ 882.00	$
ther Expenses				
Transfer to General Fund				
Transfer to Reserve Fund				
Total Other Expenses	$ ---	$ ---	$ ---	$ ---
et Income (Loss) for Period	$6,723.00	$14,298.00	$12,377.00	$

(1) Sudent Union financial statements are prepared on a quarterly basis. June 30, 1969 statements will be available on August 1, 1969.

PERSONNEL SCHEDULE

	September 1966-67	September 1967-68	September 1968-69
PROFESSIONAL:			
Campus Center Manager		1	1
Director and Coordinator	1		
Coordinator of Student Activities		1	
Assistant Dean of Students			1
Asst. Director & Asst. Coordinator	1	1	1
Staff Associate		1	1
Business Manager	1	1	1
Foods Manager	1	1	1
Store Manager	2	1	2
Conference Coordinator	1	1	1
Staff Assistants	8	9	9
Night Supervisor, Staff Assistant	1	1	1
NON-PROFESSIONAL:			
Grade XIII, Assistant Managers	3	4	2
Grade XIII, Head Administrative Clerk			1
Grade XII, Chef Steward	1	1	1
Grade X, Games Manager	1	1	1
Grade X, Storekeeper			1
Grade IX, Storekeeper	1	1	
Grade IX, Bookkeeper	1		
Grade IX, Head Baker	1	1	1
Grade IX, Dining Hall Supervisor		1	1
Grade IX, Head Cook	2	2	2
Grade IX, Principal Clerk		2	2
Grade VIII, Building Supervisor	1		
Grade VII, Senior Bookkeeper	2	3	3
Grade VII, Senior Clerk-Stenographer	4	2	2
Grade VII, Head Janitor	1	2	2
Grade VII, Cook	2	2	2
Grade VII, Asst. Catering Supervisor	1		
Grade VI, Senior Clerk	6	8	10
Grade VII, Skilled Laborer			1
Grade VI, Mechanical Handyman	1	1	
Grade VII, Stock Clerk	2	3	2
Grade VI, Storeroom Helper	2	1	2
Grade VI, Senior Sales Clerk	1	1	1
Grade V, Janitor	16	17	15
Grade V, Head Cashier	1	1	1
Grade V, Day Leader	1	1	1
Grade V, Assistant Baker	1	1	1

PERSONNEL SCHEDULE
(continued)

		September 1966-67	September 1967-68	September 1968-69
NON-PROFESSIONAL (continued):				
Grade IV,	Junior Clerk-Stenographer	4	4	3
Grade IV,	Assistant Cook	1	2	2
Grade IV,	Catering Leader	1	1	1
Grade IV,	Salad Leader	1	1	1
Grade IV,	Assistant Head Cashier		1	1
Grade IV,	Institutional Domestic Worker		1	2
Grade III,	Junior Clerk	12	14	14
Grade III,	Junior Sales Clerk	7	8	8
Grade III,	Cashier	3	1	1
Grade III,	Institutional Domestic Aid	17	17	16

STUDENT AND CLIENTELE SCHEDULE

FACILITY USAGE

1968-1969

	NUMBER OF MEETINGS	NUMBER	ATTENDANCE
Union Program and Staff Meetings		135	1,809
Union Program Activities		101	63,430
Student Meetings---Non-Union		1,874	55,656
Student Activities---Non-Union		298	81,375
Conferences	242	66	19,541
Official University Meetings and Functions		361	23,981
Use of Space In Lobby	661	193	

STATISTICS

FOOD SERVICE

1967-68 estimated transaction count = 1,776,960

1966-67 estimated transaction count = 1,692,010
+ 84,950

1968-69 gross sales prediction = $660,000.00+

1968-69 gross sales prediction = .5% above 1967-68

****

LOBBY SERVICES

1968-69 - Lobby Counter transaction count - 475,000

1968-69 - Bus Ticket transaction count - 23,250

1968-69 - Games Area transaction count - 66,750

****

UNIVERSITY STORE

1968-69 estimated transaction count - 605,660

1968-69 estimated gross sales - $1,810,000.00

1968-69 estimated gross sales - 3.5 Increase over 1967-68

PROFESSIONAL ACTIVITIES

Warren T. Grinnan - Taught Hotel and Restaurant Department course #367 - Spring Term (1) Section

Lectured in several other Hotel and Restaurant, Recreation and Home Economics departments courses - both terms.

Advisor - The Innkeepers - an R.S.O. organization.

Tulane University - August 1968 - attended a short course on computerization for menus and food cost applications.

Association of College Unions-International - Annual Conference - Denver, Colorado.

Adult Education Conference - Des Moines, Iowa.

National Association of College Stores Conference - Las Vegas, Neveda.

Several local and New England area conferences.

Harold C. Durgin - Adult Education Conference - Des Moines, Iowa.

American Society of Association Executives in New York City and Boston, Massachusetts.

Winthrop L. Cummings- College Stores of New England - October.

National Association of College Stores - New Haven, Connecticut - October.

National Association of College Stores Annual Meeting - Las Vegas, Neveda.

David A. Cannamela - National Association of College Stores Seminar - Oberlin, Ohio.

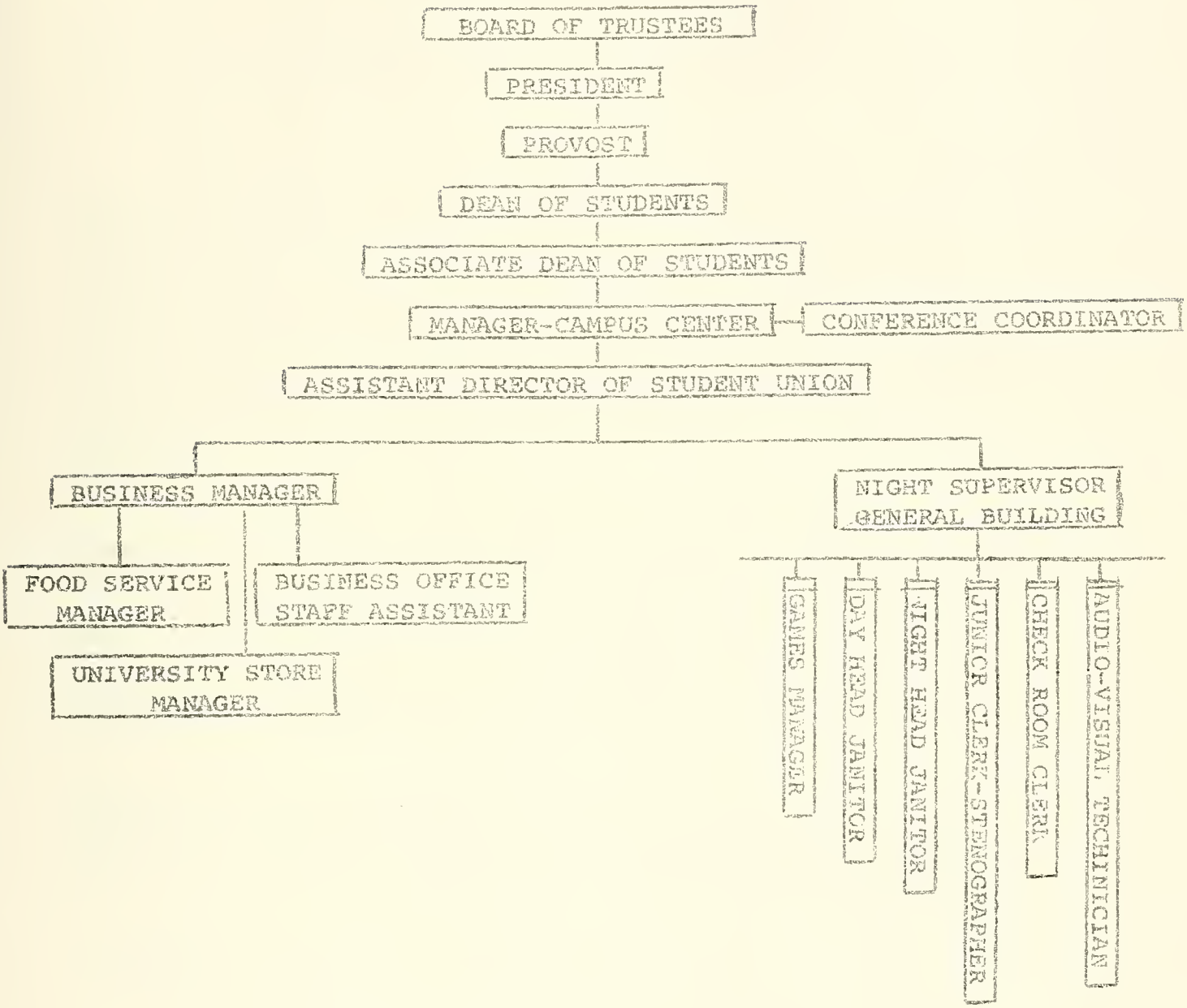
College Stores of New England - October.

National Association of College Stores - New Haven, Connecticut .

William L. Lasher	-	National Association of College Stores Seminar - Oberlin, Ohio (final year - received certificate).
		College Stores of New England - Manchester, New Hampshire.
		Panel member - College Stores of New Englanc Workshop - Chicopee, Massachusetts.
Bernard F. Wilkes	-	National Association of College Stores Seminar - Oberlin, Ohio.
		College Stores of New England - Manchester, New Hampshire.
		College Stores of New England Workshop - Chicopee, Massachusetts.
Russell W. Colvin	-	Member of Western Massachusetts Food Service Executive Association

UNIVERSITY BOARD OF TRUSTEES
PRESIDENT UNIVERSITY OF MASSACHUSETTS
DEAN OF STUDENTS
DIRECTOR-STUDENT UNION
STUDENT UNION BOARD OF GOVERNORS
CHAIRMAN
VICE CHAIRMAN-OPERATIONS
VICE CHAIRMAN-FINANCE
SECRETARY
REP. STUDENT SENATE
REP. ADELPHIA
REP. NORTHAM BOARD
2 REPS. PROGRAM COUNCIL
ELECTED 1 SR. CLASS
ELECTED 1 FRESH. CLASS
ELECTED 2 SOPH. CLASS
ELECTED 2 JR. CLASS
ELECTED 1 GRAD. STUDENT
ELECTED 1 STOCK. STUDENT
2 FACULTY MEMBERS
REP. ALUMNI ASSOC.
COORDINATOR STU. ACTIVITIES (EX OFFICIO)
ASST. COOR. STU. ACT. (EX OFFICIO)
S.U. PROGRAM ADVISOR (EX OFFICIO)
PROGRAM COUNCIL
MOVIE COM. CHAIRMAN
DANCE COM. CHAIRMAN
REC. ACT. COMMITTEE CHAIRMAN
PERSONNEL COMMITTEE CHAIRMAN
SPECIAL EVENTS COMMITTEE
ART COMMITTEE
MUSIC COMMITTEE
PUBLICITY COMMITTEE
JUNE 1967

ORGANIZATION CHART



REVISED 1967

IN CONCLUSION

The Board of Trustees approved the "Murray D. Lincoln Campus Center" for the complex of Student Union, garage and the new building. This is a fitting tribute to a distinguished University of Massachusetts alumnus. We look forward to a future for the Campus Center as illustrious as was the career of Murray D. Lincoln.

With an established staff in most departments, few management changes or additions were made. The summer period revolved around the summer school and freshmen orientation periods. The usual refurnishing, cleaning and maintenance chores were accomplished. The planning for fall and spring operations became somewhat involved because of evident change of student use of facility caused by surrounding construction, greater activity in the residence hall areas, a larger percentage of students living off campus, and the trend to decentralization of all extra-curricular activity with the expanding size of the University.

The operations of the Campus Center under these conditions and the forecasted budget for fiscal 1968-69, did not blend as well as in other years. While changes were made in departmental scheduling, in building hours, in types of attractions, and in services offered, a normal pattern was difficult to develop. As a result, contrasts, between what was expected and what the results were, differed and are reflected in the projected statements for the year.

STUDENT UNION FOOD SERVICE - Hatch sales decreased slightly but the Commonwealth and catered dining area sales increased - leaving an approximate increase of $6,000.00 in overall sales.

Responsibility for catered coffee breaks on campus was accepted in the fall of 1968.

Among the new student projects can be listed "Joseph's Cloak" coffee house whereby the New Hatch was transformed into a cafe with candlelight and folk singers. The Christmas store which supported the Campus Chest was very popular. Many interesting hours were spent with the students on these and other projects.

During the month of April a late closing trial period was held with the Hatch being open to 2:00 A.M. This was done in lieu of plans for the new Campus Center's service hours.

A change in administrative thinking is noted since the food service employees are now represented by the AFL-CIO, Local 1776 - with a contract which took effect May 12, 1969.

A number of the management team attended the New York Hotel Show, F.S.E.A. Restaurant Show at East Hartford, the New England Hotel Show, and food service areas at Boston University.

Most of the staff participated in the Massachusetts State Food Seminar in January.

The present isolated condition due to construction near the Student Union has an adverse effect upon the Food Service. It is with eager anticipation that the staff looks forward to integration with the new Campus Center.

CONFERENCE OFFICE - The Conference department has accomplished an expansion of personnel that has been needed for the past few years. With the added personnel, it has been possible to stream line and make more effective the entire operation. Over twenty-five (25) conferences have been booked into the Campus Center for 1970 and firm bookings on some groups till 1976.

The Conference Coordinator became a member of the American Society of Association Executives by invitation.

UNIVERSITY STORE - Retail sales in the University Store reached the budgeted figure of $1,810,000.00. The number of customers served was 605,660. The sales percentage increase was 3.5. This is a smaller percentage increase than that of the past few years. It was anticipated for several reasons. Freshman orientation was directed more to the Southwest Complex away from the Student Union. Access to the building is becoming more difficult due to construction. This was most apparent in May when the new library construction began. The change to paperbacks has lowered the unit sales in the book department and has necessitated carrying cumbersome inventories for which there is no space in the store.

The major change effected during the year was the change of book rush sales from the Student Union Ballroom to the Physical Plant Building. This was accomplished with a minimum of problems and resulted in a more efficient operation in spite of enrollment increases. Between fall and spring, a new door was opened through the outer wall, the cement floor was sealed reducing dust, and an even more efficient layout of books and cash registers planned.

Managers were again changed in the Boston Branch Bookstore. David A. Cannamela was appointed Branch Manager in December. He had been Assistant Manager in the University Store. Mr. Cannamela has corrected many of the problems which previously existed.

GENERAL BUILDING - A new movie screen was installed in the Ballroom to replace the old one which was torn badly.

A color television set was added to the equipment of the Student Union.

An office was made into four (4) cashier units which has worked out well for better service to the students for the cashing of their checks.

The Governors Lounge was made into the Administrative Office of the Campus Center and the Middlesex Room was made into a lounge using the furniture from the Governors Lounge.

The Student Union Maintenance staff have performed admirably considering the vacancies not filled. The maintenance staff, during the year, became affiliated with the AFL-CIO.

During the year, a complete inventory was taken of equipment in the Student Union.

Annual Report

Assistant Dean of Student Activities

1968-69

TABLE OF CONTENTS

	Page
Summer Program	1
R.S.O.	1
Program	2
General Information	2
Organizational Chart	4

Annual Report
Assistant Dean of Students
Student Activities Office
1968-1969

Summer Program

The Summer Arts and Activities Program was organized and administered by the Student Activities Staff for the fourth consecutive year. Under the Chairmanship of Dr. William Venman, Director of Summer School, a joint student-staff committee established summer activities in all areas; art, lectures, sports, etc.

The summer budget which was based on an assessed student fee of $1.00 per student per 6 week period totaled $31,032.00 and was also administered by Student Activities through an R.S.O. account. In general all activities ran smoothly and were well attended.

R.S.O.

The first full year of operation under a restructured accounting staff headed by a professional appointee and accountant, Mr. Armand H. Demers, Jr., was very successful. An additional innovation was changing over from hand-card to machine-accounting, using a $6,000 Burroughs Bookeeping Machine. This task was a tremendous undertaking but was successfully accomplished and resulted in greater efficiency, more accurate records, increased accountability, and a view of individual accounts that allowed for almost instant auditing.

General Information:

	1967-68	1968-69 (10 mos.)
# of R.S.O. Accounts	412	430
Total Receipts	$1,662,799	$1,573,850
Total Disbursements	1,678,727	1,504,176
Payments to Student Union:		
1. Food Service	17,871	12,783
2. University Store	11,020	8,525
3. General Fund	16,848	16,506
Payments to Campus Services:		
1. Police	9,380	7,942
2. Janitorial	1,380	921
3. Technicians	210	189

Program

In September, Mr. James Riley was appointed to the staff as Student Union Program Advisor. This appointment allowed Miss Sheila McRevey and Mrs. Lois Frey to concentrate on broad University programming. The addition of a third program advisor to the staff was badly needed. All three advisors spent an exceedingly busy year working with students and student groups on myriad programs. The increased activity engendered by an increased staff, a rising student population and an increasing student awareness of the professional and personal competence of the advisors produced a highly active office which was dynamic, fluid and positive. It is expected that a continuation of these factors into 1969-70 will necessitate the serious consideration of adding another program advisor to the staff for 1970-71. Coincidentally, it should be pointed out that while the Student Union Program Advisor is responsible for Student Union programming the title is misleading and therefore a misnomer since it implies a confined and limited function. All three program advisors are in varying degrees involved with every activity and program originating in the office to the point that the general title of "program advisor" is more accurate and should be applied to all. Further, since all advisors are involved with all activities of students and student groups including student government, the more proper title for all would be "activities advisor". The recent decentralization of student government into area governments and the probable assignment of an advisor to each area makes the change in titling even more apparent and needed.

General Information

The Student Union Program Council operation was marked by a lack of cooperation between committees. The Council functioned so poorly it became evident that a re-evaluation of its structure, goals, etc. was badly needed. To this end a study committee composed of students from the Program Council, the Student Union Governing Board, the classes, the Senate and the general student body has been appointed by the S.U.G. Board.

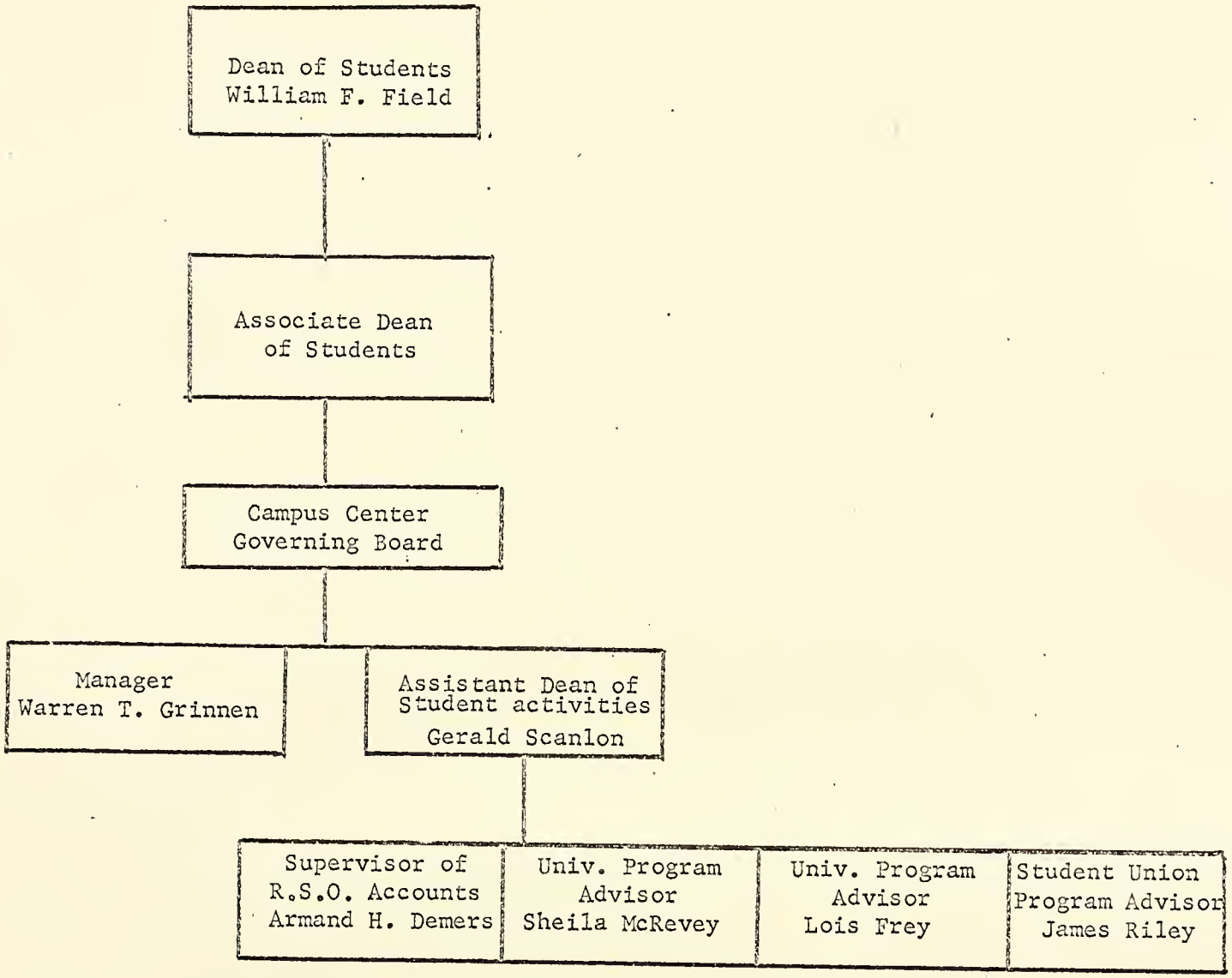
There were approximately 331 general university programs held throughout the year in major university facilities. The programs fell into the following categories:

Lectures -47
Concerts -19
Conference -5
Theatre -3
Film -70
Banquets, receptions -12
Dances -21
Meetings and Miscellaneous -154

The approximate total attendance at major lectures and musical presentations was 83,550.

While major events and activities are receiving more evaluation due to the increased staff, additional attention to detail and evaluation of smaller events is still needed. Time and availability of staff, particularly with regard to simultaneous events on evenings and weekends, is still a restricting factor. Although the popularity of major lectures and concerts continued, ranging in nature from appearances of Julian Bond, Strom Thurmond and Hubert Humphrey to Jerry Rubin, Janis Joplin and the Boston Orchestra, a new emphasis was placed on student activities as a medium for dialogue on societal changes. This was evidenced by such programs as community life festivals depicting the immergence of new life styles and their integration with the traditional; open forums on topical concerns e.g. Dow Chemical Co. and recruitment on campus in general; educational programs ranging from Black Cultural Festivals to foreign cultural series (both usually co-sponsored by traditional organizations and organizations whose specific concern is to promote such programs); class trips with primarily educational motives; increased voluntary assistance to homes for the orphaned, aged, as well as mentally and physically ill; tutorial and student-life guidance for fellow students; increased efforts on charity drives e.g. campus chest week sponsored by a class organization; and both planned and spontaneous demonstrations on a majority of contemporary concerns.

The importance of work-study students as art guards and general part-time help is evidenced by the fact that from July 1968 through May 1969 they worked a total of 8,797 hours and received $13,195.00.


Dean of Students
William F. Field
Associate Dean
of Students
Campus Center
Governing Board
Manager
Warren T. Grinnen
Assistant Dean of
Student activities
Gerald Scanlon
Supervisor of
R.S.O. Accounts
Armand H. Demers
Univ. Program
Advisor
Sheila McRevey
Univ. Program
Advisor
Lois Frey
Student Union
Program Advisor
James Riley

SEP 1970